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- Cunningham FG (see Davis et al). 1989;160:63-70
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- Curry SL, Schlaerth JB, Kohorn EI, Boyce JB, Gore H, Twigg LB, Blessing JA. Hormonal contraception and trophoblastic sequelae after hydatidiform mole (A Gynecologic Oncology Group study). 1989;160:805-11
- Cutler RM (see Schreier et al). 1989;160:80-1
- Cutler WB. The moon and menses. 1989;160:522-3 (Letter reply)
- Cutter GR (see Goldenberg et al). 1989;160:462-70
- D
- Dalglish CS (see Kossoy et al). 1989;160:1169-72
- D'Alton ME, Dudley DK. The ultrasonographic prediction of chorionicity in twin gestation. 1989;160:557-61
- D'Amato G, Cavallini A, Messa C, Mangini V, Misciagna G. Serum and bile lipid levels in a postmenopausal woman after percutaneous and oral natural estrogens. 1989;160:600-1
- Danays T (see Uzan et al). 1989;160:763 (Letter)
- Dancis J (see Spätling et al). 1989;160:713-7
- Darby MJ (see Edelman et al). 1989;160:820-8
- Darney PD, Monroe SE, Klaisle CM, Alvarado A. Clinical evaluation of the Capronor contraceptive implant: preliminary report. 1989;160:1292-5 (Symposium)
- Davis G (see Ronkin et al). 1989;160:407-11
- Davis GB (see Chin et al). 1989;160:434-8
- Davis LE, Lucas MJ, Hankins GDV, Roark ML, Cunningham FG. Thyrotoxicosis complicating pregnancy. 1989;160:63-70
- Davis RO (see Goldenberg et al). 1989;160:462-70
- (see Goldenberg et al). 1989;160:1196-7
- (see Owen et al). 1989;160:1081-5
- Dawood MY (see Zuidema et al). 1989;160:1253 (Letter reply)
- Deaton JL, Maier D, Andreoli J Jr. Spontaneous uterine rupture during pregnancy after treatment of Asherman's syndrome. 1989;160:1053-4
- de Boer K, ten Cate JW, Sturk A, Borm JJJ, Treffers PE. Enhanced thrombin generation in normal and hypertensive pregnancy. 1989;160:95-100
- De Boever J (see Thiery et al). 1989;160:1251-3 (Letter)
- De Cecco L (see Remorgida et al). 1989;160:108-13
- DeCherney AH (see Palumbo et al). 1989;160:8-14
- Delaney-Black V, Lubchenco LO, Butterfield LJ, Goldson E, Koops BL, Lazotte DC. Outcome of very-low-birth-weight infants: Are populations of neonates inherently different after antenatal versus neonatal referral? 1989;160:545-52
- (see Lubchenco et al). 1989;160:539-45
- Delfraissy JF (see Peuchmaur et al). 1989;160:765 (Letter)
- Delgadillo M (see Casey et al). 1989;160:3-7
- Delgado G, Potkul RK, Treat JA, Lewandowski GS, Barter JF, Forst D, Rahman A. A phase I/II study of intraperitoneally administered doxorubicin entrapped in cardiolipin liposomes in patients with ovarian cancer. 1989;160:812-9
- DeLia JE, Cukierski MA, Lundergan DK, Kochenour NK. Neodymium:yttrium-aluminum-garnet laser occlusion of rhesus placental vasculature via fetoscopy. 1989;160:485-9
- Dellinger WS Jr (see Wilcox et al). 1989;160:1047-52
- Demir RH, Gleicher N, Myers SA. Atraumatic antepartum subdural hematoma causing fetal death. 1989;160:619-20
- DePriest PD (see Simpson et al). 1989;160:415-6
- Desjarlais F (see Comtois et al). 1989;160:651-4
- DeSombre ER (see Senekjian et al). 1989;160:592-7
- Deter RL (see Mari et al). 1989;160:698-703
- Dev VG (see Shah et al). 1989;160:214-5
- Devoe LD, Gardner P, Arnold P, Searle N. The effects of vibratory acoustic stimulation on baseline fetal heart rate in term pregnancy. 1989;160:1086-90
- , Ruedrich DA, Searle NS. Value of observation of fetal breathing activity in antenatal assessment of high-risk pregnancy. 1989;160:166-71
- (see Castillo et al). 1989;160:172-5
- (see Castillo et al). 1989;160:692-3
- DeVore GR (see Brar et al). 1989;160:375-8
- (see Clark et al). 1989;160:1040-2
- Dewan DM (see Eisenach et al). 1989;160:471-6
- De Wilde RL. Distal tubal torsion after laparoscopic sterilization: an unnecessary late complication. 1989;160:1024 (Letter)
- Dilts PV Jr. The end of the beginning. 1989;160:1311-5 (Pres. address)
- , Fifth year of residency versus fourth year of medical school and residency. 1989;160:1532-3 (Guest editorial)
- , Symposium on ethical dilemmas in obstetrics and gynecology. 1989;160:1413 (Symposium)
- Di Renzo GC (see Barbati et al). 1989;160:514-7
- Dittrich HC (see Key et al). 1989;160:367-71
- Divon MY. Mixed cord compression. 1989;160:276-7 (Letter reply)
- Dolovich J (see Foster et al). 1989;160:979-83
- Dooley SL (see Ney et al). 1989;160:424-6
- Doubilet PM (see Benson et al). 1989;160:1534-5 (Letter reply)
- Downey GO, Potish RA, Adcock LL, Prem KA, Twigg LB.

- Pretreatment surgical staging in cervical carcinoma: therapeutic efficacy of pelvic lymph node resection. 1989;160:1055-61
- Downey GP, Prentice M, Penna LK, Gleeson RP, Elder MG. Ectopic β -human chorionic gonadotropin production by a dermoid cyst. 1989;160:449-51
- Drugan A, Evans WJ, Evans MI. Fetal organ and xenograft transplantation. 1989;160:289-93 (Clin. opinion)
- (see Evans et al). 1989;160:1332-9
- Drutz HP (see Mainprize and Drutz). 1989;160:1013-6
- Druzin ML (see Bond et al). 1989;160:1112-6
- (see Lockshin et al). 1989;160:439-43
- Dubin N (see Repke et al). 1989;160:684-90
- Ducey J (see Schulman et al). 1989;160:192-6
- Dudley DK (see D'Alton and Dudley). 1989;160:557-61
- Duff P. Antibiotics in treatment of chorioamnionitis. 1989;160:271 (Letter)
- Durum SK (see Romero et al). 1989;160:1117-23
- Dworkin RB. Law and the modern obstetrician-gynecologist. 1989;160:1339-43
- Dytrych JK (see Gould et al). 1989;160:317-9

E

- Easterling TR, Benedetti TJ. Preeclampsia: a hyperdynamic disease model. 1989;160:1447-53
- Economides DL, Nicolaides KH. Blood glucose and oxygen tension levels in small-for-gestational-age fetuses. 1989;160:385-9
- , Proudler A, Nicolaides KH. Plasma insulin in appropriate- and small-for-gestational-age fetuses. 1989;160:1091-4
- Eddy CA (see Kaplan et al). 1989;160:40-4
- Edelstone DI, Darby MJ, Bass K, Miller K. Effects of reductions in hemoglobin-oxygen affinity and hematocrit level on oxygen consumption and acid-base state in fetal lambs. 1989;160:820-8
- Edwards CL (see Copeland et al). 1989;160:1095-101
- Edwards WT (see Varrasi et al). 1989;160:707-12
- Ehrlich CE (see Sutton et al). 1989;160:1385-93
- Eisenach JC, Castro MI, Dewan DM, Rose JC, Grice SC. Intravenous clonidine hydrochloride toxicity in pregnant ewes. 1989;160:471-6
- Elder MG (see Downey et al). 1989;160:449-51
- Elias S, Simpson JL, Shulman LP, Emerson D, Tharapel A, Seely L. Transabdominal chorionic villus sampling for first-trimester prenatal diagnosis. 1989;160:879-86
- (see Muram and Elias). 1989;160:333-5
- Elkind-Hirsch KE, Reynolds MV, Goldzieher JW. Comparison of immunoreactive gonadotropin-releasing hormone and human chorionic gonadotropin in term placentas from normal women and those with insulin-dependent and gestational diabetes. 1989;160:71-8
- El-Roeiy A (see Gleicher et al). 1989;160:1376-85
- Emerson D (see Elias et al). 1989;160:879-86
- Enrieu N (see Benedetto et al). 1989;160:100-4
- Entman SS, Kambam JR, Boehm FH. Effect of maternal heme degradation on fetal carboxyhemoglobin concentration in pregnancy-induced hypertension. 1989;160:1394-9
- Eprea Trial Study Group (see Uzan et al). 1989;160:763 (Letter)
- Erkkola RU (see Mäkinen et al). 1989;160:642-6
- Erlik Y (see Itskovitz et al). 1989;160:215-7
- Escobedo LG, Peterson HB, Grubb GS, Franks AL. Case-fatality rates for tubal sterilization in U.S. hospitals, 1979 to 1980. 1989;160:147-50
- Espeland M (see Kollias et al). 1989;160:704-7
- Evans JH (see Lam et al). 1989;160:621-8
- Evans MI, Drugan A, Koppitch FC III, Zador IE, Sacks AJ, Sokol RJ. Genetic diagnosis in the first trimester: the norm for the 1990s. 1989;160:1332-9
- (see Drugan et al). 1989;160:289-93 (Clin. opinion)
- Evans WJ (see Drugan et al). 1989;160:289-93 (Clin. opinion)

F

- Faber JJ (see Anderson and Faber). 1989;160:389-90
- Fallenstein F (see Spätling et al). 1989;160:713-7
- Farmakides G (see Schulman et al). 1989;160:192-6
- Fedorkow DM, Persaud D, Nimrod CA. Inflammatory bowel disease: a controlled study of late pregnancy outcome. 1989;160:998-1001
- Fee SC (see Ney et al). 1989;160:424-6
- Feinstein SJ (see Lodeiro et al). 1989;160:105-7
- Fejgin M (see Cohen and Fejgin). 1989;160:1254-5 (Letter reply)
- Feldman E (see Nodelovitz et al). 1989;160:1269-80 (Symposium)
- Feldman Y (see Koren et al). 1989;160:1190-4
- Ferenczy A, Gelfand M. The biologic significance of cytologic atypia in progesterone-treated endometrial hyperplasia. 1989;160:126-31
- Fernandez H (see Frydman et al). 1989;160:209-13
- Ferrazzani S (see Paparella et al). 1989;160:662-6
- Figge DC (see Greer et al). 1989;160:1509-14
- Figueroa JP (see Binienda et al). 1989;160:746-50
- Filly RA (see Langer et al). 1989;160:1145-50
- Filmar S, Jetha N, McComb P, Gomel V. A comparative histologic study on the healing process after tissue transection. I. Carbon dioxide laser and electromicrosurgery. 1989;160:1062-7
- , —, —, —. A comparative histologic study on the healing process after tissue transection. II. Carbon dioxide laser and surgical microscissors. 1989;160:1068-72
- Fishburne JI Jr (see Thurnau and Fishburne). 1989;160:313-6
- Fisk NM (see Nicolini et al). 1989;160:1139-45
- Fitzgerald D (see Fitzgerald and Fitzgerald). 1989;160:1535-6 (Letter reply)
- FitzGerald G, Fitzgerald D. Thromboxane production in placentas of women with preeclampsia. 1989;160:1535-6 (Letter reply)
- Flamm BL. Vaginal birth after cesarean section. 1989;160:1251 (Letter reply)
- Fleetham J (see Bose et al). 1989;160:954-60
- Fleischer AC (see Shah et al). 1989;160:586-91
- Fleury F (see Schilling et al). 1989;160:1264-8 (Symposium)
- Foden LJ (see Seif et al). 1989;160:357-62
- Forman RG (see Frydman et al). 1989;160:209-13
- Forrest K (see Schilling et al). 1989;160:1264-8 (Symposium)
- Forst D (see Delgado et al). 1989;160:812-9
- Fortunato SJ, Bawdon RE. Determination of pentamidine transfer in the in vitro perfused human cotyledon with high-performance liquid chromatography. 1989;160:759-61
- Foster JM (see Goldenberg et al). 1989;160:462-70
- Foster WG, Jarrell JF, Dolovich J, YoungLai EV. Immunoglobulin-mediated hypersensitivity in response to long-term treatment with gonadorelin hydrochloride (Factrel) in a female patient. 1989;160:979-83
- Foulon W (see Naessens et al). 1989;160:647-50
- Foye GJ (see Salafia et al). 1989;160:140-7
- Fraher L (see Challis et al). 1989;160:926-32

- Francesconi R (see Paparella et al). 1989;160:662-6
- Franger AL, Buchsbaum HJ, Peaceman AM. Abdominal gunshot wounds in pregnancy. 1989;160:1124-8
- Franks AL (see Escobedo et al). 1989;160:147-50
- Franti CE (see Bowen et al). 1989;160:452-8
- Fraser M (see Oulton et al). 1989;160:961-7
- Freese U (see Shekarloo et al). 1989;160:615-8
- Friberg J (see Gleicher et al). 1989;160:1376-85
- Fribourg S. Vaginal mucus? 1989;160:1023 (Letter)
- Frohlich EP. Elevated fibronectin levels and preeclampsia. 1989;160:1022 (Letter)
- Frydman R, Forman RG, Belaisch-Allart J, Hazout A, Fernandez H, Testart J. An obstetric analysis of fifty consecutive pregnancies after transfer of cryopreserved human embryos. 1989;160:209-13
- Fujii S (see Kawaguchi et al). 1989;160:637-41
- (see Kobayashi et al). 1989;160:563-6
- (see Kobayashi et al). 1989;160:1232-8
- G
- Gabbe SG (see Landon et al). 1989;160:115-21
- (see Ludmir et al). 1989;160:273-4 (Letter reply)
- Gabert HA (see Kho et al). 1989;160:1150-4
- Gabrielli S, Reece EA, Pilo G, Perolo A, Rizzo N, Bovicelli L, Hobbins JC. The clinical significance of prenatally diagnosed choroid plexus cysts. 1989;160:1207-10
- (see Reece et al). 1989;160:383-4
- Gagnon R, Hunse C, Carmichael L, Patrick J. Vibratory acoustic stimulation in 26- to 32-week, small-for-gestational-age fetus. 1989;160:160-5
- (see Mansouri et al). 1989;160:1007-12
- Gallup D. Second-assessment procedure for ovarian epithelial carcinoma. 1989;160:275-6 (Letter reply)
- Gamberdella FR, Marrs RP. Heterotopic pregnancy associated with assisted reproductive technology. 1989;160:1520-4
- Gardner P (see Castillo et al). 1989;160:692-3
- (see Devoe et al). 1989;160:1086-90
- Garfield RE (see Morizaki et al). 1989;160:218-28
- Garite TJ (see Towers and Garite). 1989;160:298-303
- Geddes KM (see Pittard et al). 1989;160:151-4
- Geier M (see Ringler et al). 1989;160:655-6
- Geisler HE (see Sutton et al). 1989;160:1385-93
- Gelbart SM (see Thomason et al). 1989;160:757-8
- Gelfand M (see Ferenczy and Gelfand). 1989;160:126-31
- Gershenson DM (see Copeland et al). 1989;160:1095-101
- Ghidini A, Sirtori M, Vergani P, Mariani S, Tucci E, Scola GC. Fetal intracranial calcifications. 1989;160:86-7
- (see Lockwood et al). 1989;160:1030-3 (Clin. opinion)
- Gilbert RD. Effects of calcium antagonists during pregnancy. 1989;160:1018-9 (Letter reply)
- Gillespy M (see Nodelovitz et al). 1989;160:1269-80 (Symposium)
- Giorgino R (see Paparella et al). 1989;160:662-6
- Gleed RD (see Binienda et al). 1989;160:746-50
- Gleeson RP (see Downey et al). 1989;160:449-51
- Gleicher N, El-Roei A, Confino E, Friberg J. Reproductive failure because of autoantibodies: unexplained infertility and pregnancy wastage. 1989;160:1376-85
- (see Demir et al). 1989;160:619-20
- (see Novas et al). 1989;160:364-7
- Glick HI (see Schilling et al). 1989;160:1264-8 (Symposium)
- Gocial B (see Corson et al). 1989;160:718-23
- Golbus MS (see Langer et al). 1989;160:1145-50
- Goldberg GL (see Vermund et al). 1989;160:304-8
- Goldberg JD (see Langer et al). 1989;160:1145-50
- Goldenberg RL, Davis RO, Baker RC. Indomethacin-induced oligohydramnios. 1989;160:1196-7
- , —, Cutter GR, Hoffman HJ, Brumfield CG, Foster JM. Prematurity, postdates, and growth retardation: the influence of use of ultrasonography on reported gestational age. 1989;160:462-70
- (see Owen et al). 1989;160:1081-5
- Goldfien A (see Wu et al). 1989;160:838-44
- Goldkrand JW. Mixed cord compression. 1989;160:276 (Letter)
- Goldson E (see Delaney-Black et al). 1989;160:545-52
- (see Lubchenco et al). 1989;160:539-45
- Goldzieher JW. Pharmacology of contraceptive steroids: a brief review. 1989;160:1260-4 (Symposium)
- , Young RL. Ovarian cysts and oral contraceptives. 1989;160:523 (Letter)
- (see Elkind-Hirsch et al). 1989;160:71-8
- Gomel V (see Filmar et al). 1989;160:1062-7
- (see Filmar et al). 1989;160:1068-72
- Goodlin RC. Digoxin-like immunosubstance in pregnancy and preeclampsia. 1989;160:1019 (Letter)
- , Maternal temperature during labor. 1989;160:274-5 (Letter)
- , Need for differentiation of small for gestational age infants and those with intrauterine growth retardation. 1989;160:1024-5 (Letter)
- , Pharmaceutical-supported supplements. 1989;160:764 (Letter)
- (see Loy and Goodlin). 1989;160:1489-95
- Gordon D, Pearce M, Norton P, Stanton SL. Comparison of ultrasound and lateral chain urethrocytography in the determination of bladder neck descent. 1989;160:182-5
- Gordon SF. Results of a single-center study of cefotetan prophylaxis in abdominal or vaginal hysterectomy (1988;158:710-4). 1989;160:1025 (Correction)
- Gore H (see Curry et al). 1989;160:805-11
- Gould FK, Harvey JA, Dytrych JK. Antibody to endotoxin is associated with decreased frequency of postoperative infection. 1989;160:317-9
- Granat M (see Younis and Granat). 1989;160:762-3 (Letter reply)
- Grasso S (see Roversi and Grasso). 1989;160:1534 (Letter)
- Grdina D (see Rotmensch et al). 1989;160:789-97
- Greenspoon JS, Masaki DI. Screening for varicella-zoster immunity and the use of varicella zoster immune globulin in pregnancy. 1989;160:1020-1 (Letter)
- Greer BE, Figge DC, Tamimi HK, Cain JM. Stage IB adenocarcinoma of the cervix treated by radical hysterectomy and pelvic lymph node dissection. 1989;160:1509-14
- Greisman B (see Wilansky and Greisman). 1989;160:673-7
- Grice SC (see Eisenach et al). 1989;160:471-6
- Grifo JA, Jeremias J, Ledger WJ, Witkin SS. Interferon- γ in the diagnosis and pathogenesis of pelvic inflammatory disease. 1989;160:26-31
- Grogan DM (see Hatjis et al). 1989;160:751-7
- Gross S, Librach C, Cecutti A. Maternal weight loss associated with hyperemesis gravidarum: a predictor of fetal outcome. 1989;160:906-9
- Grover J (see La Puma et al). 1989;160:59-62 (Clin. opinion)
- Grubb GS (see Escobedo et al). 1989;160:147-50
- Gudat J (see Nodelovitz et al). 1989;160:1269-80 (Symposium)
- Guijon FB (see McNicol et al). 1989;160:265-70
- Gusdon JP Jr (see Pennell and Gusdon). 1989;160:1229-31
- Guzick DS (see Mueller-Heubach and Guzick). 1989;160:829-37

- Guzman E (see Schulman et al). 1989;160:192-6
Gwatkin RBL, Conover JC, Collins RL, Quigley MM. Failed fertilization in human in vitro fertilization analyzed with the deoxyribonucleic acid-specific fluorochrome Hoechst 33342. 1989;160:31-5

H

- Haag MK (see Kirz and Haag). 1989;160:412-4
Hagberg H (see Nielsen et al). 1989;160:569-73
Hagen M (see Lamb et al). 1989;160:1470-8
Hajj SN (see Niemiec et al). 1989;160:186-8
Hakes TB (see Rubin et al). 1989;160:667-71
Halbert DR (see Lloyd et al). 1989;160:402-4
Halvorson HC (see Hendrix and Halvorson). 1989;160:274 (Letter)
Hamilton PR (see Thomason et al). 1989;160:757-8
Hancock KC (see Copeland et al). 1989;160:1095-101
Hankins GDV (see Davis et al). 1989;160:63-70
— (see Parker et al). 1989;160:657-62
Hanson FW (see Cowan et al). 1989;160:1496-504
— (see Crandall et al). 1989;160:1204-6
Hardin JW (see O'Brien et al). 1989;160:344-52
Harger JH. Management of pregnancy in diethylstilbestrol-exposed patients. 1989;160:273 (Letter)
Harman CR (see Lange et al). 1989;160:552-7
Harrison GL, Moore LG. Blunted vasoreactivity in pregnant guinea pigs is not restored by meclofenamate. 1989;160:258-64
Harrison MR (see Langer et al). 1989;160:1145-50
Harvey JA (see Gould et al). 1989;160:317-9
Hasson HM (see Schilling et al). 1989;160:1264-8 (Symposium)
Hatch KD (see Khazaeli et al). 1989;160:444-9
Hatjis CG, Koritnik DR, Grogan DM. Up-regulation of guinea pig myometrial β -adrenergic receptors by intrauterine estradiol and progesterone pellets. 1989;160:751-7
Hauth JC (see Owen and Hauth). 1989;160:606-7
— (see Owen et al). 1989;160:1081-5
— (see Parker et al). 1989;160:657-62
Hawthorn RJS, MacLean AB. S-100 sensitivity as a marker for Langerhans's cells. 1989;160:767-8 (Letter reply)
Hay DL, von Fraunhofer A, Masterson BJ. Hemostasis in blood vessels after ligation. 1989;160:737-9
Hayashi RH (see Morizaki et al). 1989;160:218-28
Hazout A (see Frydman et al). 1989;160:209-13
Hdez M (see Weiner et al). 1989;160:489-93
Hedner U (see Tengborn et al). 1989;160:90-4
Hegedüs L (see Rasmussen et al). 1989;160:1216-20
Heil CG (see Schilling et al). 1989;160:1264-8 (Symposium)
Henderson BE (see Ross et al). 1989;160:1301-6 (Symposium)
Henderson SR. Ectopic tubal pregnancy treated by operative laparoscopy. 1989;160:1462-9
Hendrix JW, Halvorson HC. Effects of progestins on estrogen-induced lipoprotein changes. 1989;160:274 (Letter)
Henry MJ, Stanley MW, Cruikshank S, Carlson L. Association of human immunodeficiency virus-induced immunosuppression with human papillomavirus infection and cervical intraepithelial neoplasia. 1989;160:352-3
Herbert CM III (see Kossoy et al). 1989;160:1169-72
Herbst AL (see Rotmensch et al). 1989;160:789-97
— (see Senekjian et al). 1989;160:592-7
Herrick CN (see Taslimi et al). 1989;160:1352-60
Herrig J (see Weiner et al). 1989;160:489-93
Hertz RH (see Philipson et al). 1989;160:271-2 (Letter)
Hickok DE, Hollenbach KA, Reilly SF, Nyberg DA. The association between decreased amniotic fluid volume and

- treatment with nonsteroidal anti-inflammatory agents for preterm labor. 1989;160:1525-31
Hill GA III (see Kossoy et al). 1989;160:1169-72
Hill JA, Cohen J, Anderson DJ. The effects of lymphokines and monokines on human sperm fertilizing ability in the zona-free hamster egg penetration test. 1989;160:1154-9
Hill WC, Carlson JR, Bolton V. Isolation of acquired immunodeficiency syndrome virus from the placenta. 1989;160:765 (Letter reply)
Hines J (see Rotmensch et al). 1989;160:789-97
Hoag MS (see McVay et al). 1989;160:1479-88
Hoag RW (see McVay et al). 1989;160:1479-88
Hobbins JC (see Gabrielli et al). 1989;160:1207-10
— (see Lockwood and Hobbins). 1989;160:1536-7 (Letter reply)
— (see Lockwood et al). 1989;160:1030-3 (Clin. opinion)
— (see Reece et al). 1989;160:383-4
— (see Romero et al). 1989;160:1117-23
— (see Stiller et al). 1989;160:1194-6
Hobel CJ (see Castro et al). 1989;160:15-9
Hodgen GD (see Wolf et al). 1989;160:45-7
Hoffman HJ (see Goldenberg et al). 1989;160:462-70
Hökegård KH (see Widmark et al). 1989;160:1245-50
Holbrook RH Jr. Effects of calcium antagonists during pregnancy. 1989;160:1018 (Letter)
Hollenbach KA (see Hickok et al). 1989;160:1525-31
Homan J (see Challis et al). 1989;160:967-72
— (see Richardson et al). 1989;160:919-25
Hook EB (see Tierson et al). 1989;160:518-9 (Correction) (Letter)
Hornnes PJ (see Rasmussen et al). 1989;160:1216-20
Horvath PM, Beck M, Bohrer MK, Shelden RM, Kemmann E. A prospective study on the lack of development of antisperm antibodies in women undergoing intrauterine insemination. 1989;160:631-7
Hoskins I (see Marks et al). 1989;160:362-3
Hoskins WJ (see Rubin et al). 1989;160:667-71
Hrushesky WJM (see Bereska et al). 1989;160:690-2
Huhta JC (see Mari et al). 1989;160:698-703
Humphreys-Beher MG, Blackwell RE. Identification of a deoxyribonucleic acid allelic variant for β 1-4 galactosyltransferase associated with male sperm binding/penetration infertibility. 1989;160:1160-5
Hung TT (see Tsui et al). 1989;160:724-8
Hungerford SA (see Sabbagha et al). 1989;160:854-62
Hunse C (see Connors et al). 1989;160:932-8
— (see Gagnon et al). 1989;160:160-5
— (see Mansouri et al). 1989;160:1007-12
Hux CH (see Ronkin et al). 1989;160:407-11

I

- Illingworth DR (see Burry et al). 1989;160:1454-61
Imanaka M (see Ogita et al). 1989;160:271 (Letter reply)
Ingemarsson I (see Montan and Ingemarsson). 1989;160:283-8 (Clin. opinion)
Itskovitz J, Boldes R, Thaler I, Bronstein M, Erlik Y, Brandes JM. Transvaginal ultrasonography-guided aspiration of gestational sacs for selective abortion in multiple pregnancy. 1989;160:215-7

J

- Jackson BT (see Stonestreet et al). 1989;160:740-5
Jakobi P, Krivoy N. Digoxin-like immunoreactive factor measurements in pregnant women treated with digoxin because of fetal indications. 1989;160:762 (Letter)

- , Zimmer EZ, Weissman A. Oxytocin administration and uterine exploration in the management of vaginal birth after cesarean—not routine procedures. 1989;160:1538-9 (Letter)
- James CF, Banner T, Caton D. Cardiac output in women undergoing cesarean section with epidural or general anesthesia. 1989;160:1178-84
- Jarrell JF, YoungLai EV, McMahon A, Barr R, O'Connell G, Belbec L. The effect of medroxyprogesterone acetate (Provera) on ovarian radiosensitivity. 1989;160:990-4
— (see Foster et al). 1989;160:979-83
- Jeanty P (see Shah et al). 1989;160:214-5
- Jenkins D (see Maddox et al). 1989;160:767 (Letter)
- Jeremias J (see Grifo et al). 1989;160:26-31
- Jetha N (see Filmar et al). 1989;160:1062-7
— (see Filmar et al). 1989;160:1068-72
- Joe L (see Wilson et al). 1989;160:602-6
- Johnson KA (see McCoshen et al). 1989;160:973-8
- Johnson TRB (see Berestka et al). 1989;160:690-2
- Jolley KN (see Clark et al). 1989;160:694-7
— (see Clark et al). 1989;160:1040-2
- Jones C (see Palumbo et al). 1989;160:8-14
- Jones HW Jr (see Rock and Jones). 1989;160:845-53

K

- Kadar N, Romero R. Discriminatory human chorionic gonadotropin zone "demilitarized." 1989;160:1255-6 (Letter)
- Kalhan SC (see Philipson et al). 1989;160:271-2 (Letter)
- Kambam JR (see Entman et al). 1989;160:1394-9
- Kamiura S (see Azuma et al). 1989;160:734-6
- Kaplan CR, Eddy CA, Olive DL, Schenken RS. Effect of ovarian endometriosis on ovulation in rabbits. 1989;160:40-4
- Kaplan JR (see Clarkson et al). 1989;160:1280-5 (Symposium)
- Karanth S (see Shearin et al). 1989;160:1073-4
- Karram MM (see Bhatia et al). 1989;160:176-81
- Kawaguchi K, Fujii S, Konishi I, Nanbu Y, Nonogaki H, Mori T. Mitotic activity in uterine leiomyomas during the menstrual cycle. 1989;160:637-41
- Kay HH (see Rice et al). 1989;160:1212-6
- Kemm,nn E (see Horvath et al). 1989;160:631-7
- Kern W (see Shenker et al). 1989;160:1505-8
- Kestler E (see Villar et al). 1989;160:380-2
- Keve TM (see McLaughlin et al). 1989;160:47-53
- Foy TC, Resnik R, Dittich HC, Reisner LS. Successful pregnancy after cardiac transplantation. 1989;160:367-71
- Khan-Dawood FS (see Zuidema et al). 1989;160:1253 (Letter reply)
- Khazaeli MB, Buchina ES, Pattillo RA, Soong S-J, Hatch KD. Radioimmunoassay of free β -subunit of human chorionic gonadotropin in diagnosis of high-risk and low-risk gestational trophoblastic disease. 1989;160:444-9
- Kho MS, Miller JM Jr, Brown HL, Gabert HA. Estimating fetal weight in patients with preterm premature rupture of the membranes. 1989;160:1150-4
- Kikkawa F (see Suganuma et al). 1989;160:729-33
- Kim SJ (see Bardeguez et al). 1989;160:202-6
- Kimes TM (see Sutton et al). 1989;160:1385-93
- Kirshon B (see Mari et al). 1989;160:698-703
- Kirz DS, Haag MK. Management of the third stage of labor in pregnancies terminated by prostaglandin E_2 . 1989;160:412-4
- Kjer JJ, Knudsen LB. Ectopic pregnancy subsequent to laparoscopic sterilization. 1989;160:1202-4
- Klaisle CM (see Darney et al). 1989;160:1292-5 (Symposium)

- Kleinman CS (see Copel and Kleinman). 1989;160:1017-8 (Letter reply)
- Knudsen LB (see Kjer and Knudsen). 1989;160:1202-4
- Kobayashi F, Sagawa N, Nakamura K, Nonogaki M, Ban C, Fujii S, Mori T. Mechanism and clinical significance of elevated CA 125 levels in the sera of pregnant women. 1989;160:563-6
- , —, Nanbu Y, Nakamura K, Nonogaki M, Ban C, Fujii S, Mori T. Immunohistochemical localization and tissue levels of tumor-associated glycoproteins CA 125 and CA 19-9 in the decidua and fetal membranes at various gestational ages. 1989;160:1232-8
- Kochenour NK (see DeLia et al). 1989;160:485-9
- Kofinas AD, Espeland M, Swain M, Penry M, Nelson LH. Correcting umbilical artery flow velocity waveforms for fetal heart rate is unnecessary. 1989;160:704-7
- Kohorn EI (see Curry et al). 1989;160:805-11
- Konishi E. Change of immunoglobulin G antibody levels to *Toxoplasma gondii* during pregnancy in an obstetric population. 1989;160:356-7
- Konishi I (see Kawaguchi et al). 1989;160:637-41
- Koonings PP (see Bergman et al). 1989;160:1102-6
- Koontz WL, Reid KH. The effect of pretreatment with magnesium sulfate on the initiation of seizure foci in anesthetized cats. 1989;160:508-9
- Koops BL (see Delaney-Black et al). 1989;160:545-52
— (see Lubchenko et al). 1989;160:539-45
- Koos BJ (see Salvador and Koos). 1989;160:1043-7
- Koppitch FC III (see Evans et al). 1989;160:1332-9
- Koren G, Bologa-Campeanu M, Long D, Feldman Y, Shear NH. Perception of teratogenic risk by pregnant women exposed to drugs and chemicals during the first trimester. 1989;160:1190-4
- Koritnik DR (see Clarkson et al). 1989;160:1280-5 (Symposium)
- (see Hatjis et al). 1989;160:751-7
- Kosoy LR, Hill GA III, Parker RA, Rogers BJ, Dalglish CS, Herbert CM III, Wentz AC. Luteinizing hormone and ovulation timing in a therapeutic donor insemination program using frozen semen. 1989;160:1169-72
- Kovacs BW, Shahbahrani B, Comings DE. Studies of human germinal mutations by deoxyribonucleic acid hybridization. 1989;160:798-804
- Krivoy N (see Jakobi and Krivoy). 1989;160:762 (Letter)
- Kuhnert BR (see Lazebnik et al). 1989;160:1184-9
- Kwa D (see Corson et al). 1989;160:718-23

L

- Laboda LA (see Benacerraf and Laboda). 1989;160:319-21
- Lagercrantz H (see Widmark et al). 1989;160:1245-50
- Laippala PJ (see Mäkinen et al). 1989;160:642-6
- Lala PK (see Yagel et al). 1989;160:938-45
— (see Yagel et al). 1989;160:946-53
- Lam S-Y, Baker HWG, Evans JH, Pepperell RJ. Factors affecting fetal loss in induction of ovulation with gonadotropins: increased abortion rates related to hormonal profiles in conceptual cycles. 1989;160:621-8
- Lamb EJ, Hagen M, Pauker SG. The mean interval to conception: a measure of utility for the analysis of decisions involving fertility. 1989;160:1470-8
- Landon MB, Mintz MC, Gabbe SG. Sonographic evaluation of fetal abdominal growth: predictor of the large-for-gestational-age infant in pregnancies complicated by diabetes mellitus. 1989;160:115-21
— (see Ludmir et al). 1989;160:273-4 (Letter reply)

- Lane M (see Osborne et al). 1989;160:336-9
- Lanera P (see Remorgida et al). 1989;160:108-13
- Lange IR, Harman CR, Ash KM, Manning FA, Menticoglou S. Twin with hydramnios: treating premature labor at source. 1989;160:552-7
- Langer JC, Harrison MR, Schmidt KG, Silverman NH, Anderson RL, Goldberg JD, Filly RA, Crombleholme TM, Longaker MT, Golbus MS. Fetal hydrops and death from sacrococcygeal teratoma: rationale for fetal surgery. 1989;160:1145-50
- Langer O. The oral glucose tolerance test with one abnormal value. 1989;160:272 (Letter reply)
- La Puma J, Schiedermayer DL, Grover J. Surrogacy and Shakespeare: the Merchant's contract revisited. 1989;160:59-62 (Clin. opinion)
- Laragh JH (see Bond et al). 1989;160:1112-6
- Larsson P-G (see Platz-Christensen et al). 1989;160:132-3
- Lauritzen Ch (see Moncayo-Naveda et al). 1989;160:1227-9
- Lauwers S (see Naessens et al). 1989;160:647-50
- Lazebnik N, Kuhnert BR, Carr PC, Brashear WT, Syracuse CD, Mann LI. Intravenous, deltoid, or gluteus administration of meperidine during labor? 1989;160:1184-9
- Lazotte DC (see Delaney-Black et al). 1989;160:545-52
- (see Lubchenco et al). 1989;160:539-45
- Ledger WJ (see Grifo et al). 1989;160:26-31
- Lee V (see Wang et al). 1989;160:984-9
- Lehtovirta P (see Cacciarelli et al). 1989;160:133-7
- Leung PCK (see Wang et al). 1989;160:984-9
- Leveno K, Cunningham FG, Pritchard JA. Cesarean section: the House of Horne revisited. 1989;160:78-9
- (see Parker et al). 1989;160:657-62
- Levin MJ (see McGregor and Levin). 1989;160:1021-2 (Letter reply)
- Lewandowski GS (see Delgado et al). 1989;160:812-9
- Lewin M (see Morrow et al). 1989;160:995-7
- Lewis JL Jr (see Rubin et al). 1989;160:667-71
- Lewis RT, Duma RJ, Echols RM, Jemsek JG, Najem AZ, Press RA, Stone HH, Ton GT, Wilson SE. Comparative study of cefotetan and cefoxitin in the treatment of intra-abdominal infections (1988;158:728-35). 1989;160:1025 (Correction)
- Librach C (see Gross et al). 1989;160:906-9
- Liggins GC (see Wilson et al). 1989;160:602-6
- Lightman A (see Palumbo et al). 1989;160:8-14
- Lilja H (see Widmark et al). 1989;160:1245-50
- Ling FW (see Stovall et al). 1989;160:1425-31
- Little B. The sin of pride: research in obstetrics and gynecology. 1989;160:771-81 (Pres. address)
- Ljungblad U (see Nielsen et al). 1989;160:569-73
- Lloyd R, Coulam CB. The accuracy of urinary luteinizing hormone testing in predicting ovulation. 1989;160:1370-5
- Lloyd T, Buchanan JR, Ursino GR, Myers C, Woodward G, Halbert DR. Long-term oral contraceptive use does not affect trabecular bone density. 1989;160:402-4
- Lockshin MD, Druzin ML, Qamar T. Prednisone does not prevent recurrent fetal death in women with antiphospholipid antibody. 1989;160:439-43
- Lockwood C, Ghidini A, Romero R, Hobbins JC. Amniotic band syndrome: reevaluation of its pathogenesis. 1989;160:1030-3 (Clin. opinion)
- , Hobbins J. Prenatal detection of Down syndrome. 1989;160:1536-7 (Letter reply)
- Lodeiro JG, Feinstein SJ, Lodeiro SB. Fetal premature atrial contractions associated with hydralazine. 1989;160:105-7
- Lodeiro SB (see Lodeiro et al). 1989;160:105-7
- London RS (see Schilling et al). 1989;160:1264-8 (Symposium)
- Long D (see Koren et al). 1989;160:1190-4
- Longaker MT (see Langer et al). 1989;160:1145-50
- Lotgering FK, Pijpers L, van Eijk J, Wallenburg HCS. Pregnancy in a patient with diffuse cavernous hemangioma of the uterus. 1989;160:628-30
- Louv WC, Austin H, Perlman J, Alexander WJ. Oral contraceptive use and the risk of chlamydial and gonococcal infections. 1989;160:396-402
- Low JA, Robertson DM, Simpson LL. Temporal relationships of neuropathologic conditions caused by perinatal asphyxia. 1989;160:608-14
- Loy G, Goodlin RC. Recording maternal vaginal apex pulse. 1989;160:1489-95
- Lubchenco LO, Butterfield LJ, Delaney-Black V, Goldson E, Koops BL, Lazotte DC. Outcome of very-low-birth-weight infants: Does antepartum versus neonatal referral have a better impact on mortality, morbidity, or long-term outcome? 1989;160:539-45
- (see Delaney-Black et al). 1989;160:545-52
- Lucas MJ (see Davis et al). 1989;160:63-70
- Ludmir J, Samuels P, Mennuti MT, Landon MB, Gabbe SG. Management of pregnancy in diethylstilbestrol-exposed patients. 1989;160:273-4 (Letter reply)
- Lundergan DK (see DeLia et al). 1989;160:485-9
- Lurie AL (see Chin et al). 1989;160:434-8
- Lynch L (see Wilkins et al). 1989;160:427-8
- Lyons E (see Shapiro and Lyons). 1989;160:909-12

M

- Mabie WC (see Ahokas et al). 1989;160:480-4
- MacDonald PC (see Casey et al). 1989;160:3-7
- (see Parker et al). 1989;160:657-62
- Mack TM (see Ross et al). 1989;160:1301-6 (Symposium)
- MacLean AB (see Hawthorn and MacLean). 1989;160:767-8 (Letter reply)
- Maddox PH, Barton SE, Jenkins D. S-100 sensitivity as a marker for Langerhans's cells. 1989;160:767 (Letter)
- Mahadevan MM (see Bose et al). 1989;160:954-60
- Mahony BS (see Rice et al). 1989;160:1212-6
- Maier D (see Deaton et al). 1989;160:1053-4
- Mainprize TC, Drutz HP. Accuracy of total bladder volume and residual urine measurements: comparison between real-time ultrasonography and catheterization. 1989;160:1013-6
- Mäkinen JI, Erkkola RU, Laippala PJ. Causes of the increase in the incidence of ectopic pregnancy: a study on 1017 patients from 1966 to 1985 in Turku, Finland. 1989;160:642-6
- Mammen EF (see Bhatia et al). 1989;160:1022-3 (Letter reply)
- Mancuso S (see Paparella et al). 1989;160:662-6
- Mangam HE (see Salafia et al). 1989;160:140-7
- Mangini V (see D'Amato et al). 1989;160:600-1
- Maan LI (see Lazebnik et al). 1989;160:1184-9
- Manning FA (see Lange et al). 1989;160:552-7
- Mansouri H, Gagnon R, Hunse C. Relationship between fetal heart rate and umbilical blood flow velocity in term human fetuses during labor. 1989;160:1007-12
- Mari G, Moise KJ Jr, Deter RL, Kirshon B, Carpenter RJ Jr, Huhta JC. Doppler assessment of the pulsatility index in the cerebral circulation of the human fetus. 1989;160:698-703
- Mariani S (see Chidini et al). 1989;160:86-7
- Markman M (see Rubin et al). 1989;160:667-71
- Marks F, Ordorica S, Hoskins I, Young BK. Congenital he-

- reditary fructose intolerance and pregnancy. 1989;160:362-3
 Marrs RP (see Gamberdella and Marrs). 1989;160:1520-4
 Marston S. Calcium ion-dependent regulation of uterine smooth muscle thin filaments by caldesmon. 1989;160:252-7
 Martens G (see Thierry et al). 1989;160:1251-3 (Letter)
 Martier SS (see Sokol et al). 1989;160:863-70
 Masaki DI (see Greenspoon and Masaki). 1989;160:1020-1 (Letter)
 Maskens PD (see Carmichael and Maskens). 1989;160:916-8
 Massmann A (see Binienda et al). 1989;160:746-50
 Massobrio M (see Benedetto et al). 1989;160:100-4
 Masterson BJ (see Hay et al). 1989;160:737-9
 Matsui N (see Suganuma et al). 1989;160:729-33
 Matsumoto M (see Ogita et al). 1989;160:271 (Letter reply)
 Mätzsch T (see Tengborn et al). 1989;160:90-4
 Maulik D, Yarlagadda AP, Youngblood JP, Willoughby L. Components of variability of umbilical arterial Doppler velocimetry—a prospective analysis. 1989;160:1406-12
 Maymon R, Bahari C, Moroz C. Placental isoferritin: a new serum marker in toxemia of pregnancy. 1989;160:681-4
 Mazor M (see Romero et al). 1989;160:1117-23
 McComb P (see Filmar et al). 1989;160:1062-7
 — (see Filmar et al). 1989;160:1068-72
 McCoshen JA. Fetal control of maternal prolactin production and bioactivity in utero. 1989;160:322-7
 —, Tulloch HV, Johnson KA. Umbilical cord is the major source of prostaglandin E₂ in the gestational sac during term labor. 1989;160:973-8
 — (see Bose et al). 1989;160:954-60
 McGregor JA, Levin MJ. Screening for varicella-zoster immunity and the use of varicella zoster immune globulin in pregnancy. 1989;160:1021-2 (Letter reply)
 McLaughlin GL (see Chestnut et al). 1989;160:510-3
 McLaughlin MK, Keve TM, Cooke R. Vascular catecholamine sensitivity during pregnancy in the ewe. 1989;160:47-53
 McMahon A (see Jarrell et al). 1989;160:990-4
 McNicol PJ, Guijon FB, Paraskevas M, Brunham RC. Comparison of filter in situ deoxyribonucleic acid hybridization with cytologic, colposcopic, and histopathologic examination for detection of human papillomavirus infection in women with cervical intraepithelial neoplasia. 1989;160:265-70
 McVay PA, Hoag RW, Hoag MS, Toy PTCY. Safety and use of autologous blood donation during the third trimester of pregnancy. 1989;160:1479-88
 Medearis AL (see Brar et al). 1989;160:188-91
 — (see Brar et al). 1989;160:375-8
 Meizner I. Perinatal diagnosis of congenital defects of anterior abdominal wall. 1989;160:1537-8 (Letter)
 Mendez-Bauer C (see Shekarloo et al). 1989;160:615-8
 Mendoza GJ, Almeida O, Steinfeld L. Intermittent fetal bradycardia induced by midpregnancy fetal ultrasonographic study. 1989;160:1038-40
 Mennuti MT (see Ludmir et al). 1989;160:273-4 (Letter reply)
 Menticoglou S (see Lange et al). 1989;160:552-7
 Mercer LJ (see Niemiec et al). 1989;160:186-8
 Merchiers E (see Thierry et al). 1989;160:1251-3 (Letter)
 Merlob P (see Mor and Merlob). 1989;160:1253-4 (Letter)
 Messa C (see D'Amato et al). 1989;160:600-1
 Metheny WP (see Castillo et al). 1989;160:172-5
 Mezrow G (see Wilkins et al). 1989;160:427-8
 Miles RW (see Smith et al). 1989;160:573-4
 Miller JM Jr (see Kho et al). 1989;160:1150-4
 Miller K (see Edelman et al). 1989;160:820-8
 Mimouni F (see Miodovnik et al). 1989;160:1239-44
 Minogue J (see Ney et al). 1989;160:424-6
 — (see Sabbagha et al). 1989;160:854-62
 Mintz MC (see Landon et al). 1989;160:115-21
 Miodovnik M, Mimouni F, Berk M, Clark KE. Alloxan-induced diabetes mellitus in the pregnant ewe: metabolic and cardiovascular effects on the mother and her fetus. 1989;160:1239-44
 Misciagna G (see D'Amato et al). 1989;160:600-1
 Mishell DR (see Shoupe and Mishell). 1989;160:1286-92 (Symposium)
 Mitchell MD (see Binienda et al). 1989;160:746-50
 Miyamoto S, Shimokawa H, Sumioki H, Nakano H. Physiologic role of endogenous human atrial natriuretic peptide in preeclamptic pregnancies. 1989;160:155-9
 Moise KJ Jr. Scalp platelet counts and management of immunologic thrombocytopenic purpura. 1989;160:518 (Letter reply)
 — (see Mari et al). 1989;160:698-703
 Moncayo-Naveda H, Moncayo R, Benz R, Wolf A, Lauritzen Ch. Organ-specific antibodies against ovary in patients with systemic lupus erythematosus. 1989;160:1227-9
 Moncayo R (see Moncayo-Naveda et al). 1989;160:1227-9
 Monroe SE (see Darney et al). 1989;160:1292-5 (Symposium)
 Montan S, Ingemarsson I. Intrapartum fetal heart rate patterns in pregnancies complicated by hypertension: a cohort study. 1989;160:283-8 (Clin. opinion)
 Moore LG (see Harrison and Moore). 1989;160:258-64
 Moore TR, Piacquadro K. A prospective evaluation of fetal movement screening to reduce the incidence of antepartum fetal death. 1989;160:1075-80
 Mor N, Merlob P. Configuration of the hymen. 1989;160:1253-4 (Letter)
 Mordel N (see Birkenfeld et al). 1989;160:562-3
 Mori T (see Kawaguchi et al). 1989;160:637-41
 — (see Kobayashi et al). 1989;160:563-6
 — (see Kobayashi et al). 1989;160:1232-8
 Morizaki J (see Morizaki et al). 1989;160:218-28
 Morizaki N, Morizaki J, Hayashi RH, Garfield RE. A functional and structural study of the innervation of the human uterus. 1989;160:218-28
 Moroz C (see Maymon et al). 1989;160:681-4
 Morrow RJ, Adamson SL, Lewin M, Bull SB, Ritchie JWK. The influence of spontaneous accelerations of fetal heart rate on umbilical artery velocity waveforms. 1989;160:995-7
 —, Ritchie JWK, Bull SB. Fetal and maternal hemodynamic responses to exercise in pregnancy assessed by Doppler ultrasonography. 1989;160:138-40
 Mueller-Heubach E, Guzik DS. Evaluation of risk scoring in a preterm birth prevention study of indigent patients. 1989;160:829-37
 —, Reddick D, Barnett B, Bente R. Preterm birth prevention: evaluation of a prospective controlled randomized trial. 1989;160:1172-8
 The Multicenter Study Group. Single-dose prophylaxis in patients undergoing vaginal hysterectomy: cefamandole versus cefotaxime. 1989;160:1198-201
 Muram D. Child sexual abuse—genital tract findings in prepubertal girls. I. The unaided medical examination. 1989;160:328-33
 —, Elias S. Child sexual abuse—genital tract findings in prepubertal girls. II. Comparison of colposcopic and unaided examinations. 1989;160:333-5

- Murphy K. The management of early labor. 1989;160:766 (Letter)
Mutambira M (see Neilson and Mutambira). 1989;160:416-8
Myers C (see Lloyd et al). 1989;160:402-4
Myers SA (see Demir et al). 1989;160:619-20
— (see Novas et al). 1989;160:364-7

N

- Naessens A, Foulon W, Breynaert J, Lauwers S. Postpartum bacteremia and placental colonization with genital mycoplasmas and pregnancy outcome. 1989;160:647-50
Naftolin F (see Palumbo et al). 1989;160:8-14
Nageotte MP (see Briggs et al). 1989;160:309-13
Nakamura K (see Kobayashi et al). 1989;160:563-6
— (see Kobayashi et al). 1989;160:1232-8
Nakano H (see Miyamoto et al). 1989;160:155-9
Nanbu Y (see Kawaguchi et al). 1989;160:637-41
— (see Kobayashi et al). 1989;160:1232-8
Narita O (see Suganuma et al). 1989;160:729-33
Natale R (see Connors et al). 1989;160:932-8
Nathanielsz PW (see Binienda et al). 1989;160:746-50
— (see Pimentel et al). 1989;160:242-7
Nazari A (see Check et al). 1989;160:598-9
Needleman L (see Warren et al). 1989;160:197
Negoro T (see Azuma et al). 1989;160:734-6
Neilson JP, Mutambira M. Coitus, twin pregnancy, and preterm labor. 1989;160:416-8
Nelson LH (see Kofinas et al). 1989;160:704-7
New England Regional Genetics Group Prenatal Collaborative Study of Down Syndrome Screening. Combining maternal serum α -fetoprotein measurements and age to screen for Down syndrome in pregnant women under age 35. 1989;160:575-81
Newton J (see Samra et al). 1989;160:1023-4 (Letter)
Ney JA, Fee SC, Dooley SL, Socol ML, Minogue J. Factors influencing hemostasis after umbilical vein puncture in vitro. 1989;160:424-6
Ngu'en M (see Comtois et al). 1989;160:651-4
Nicolaidis KH, Sadovsky G, Visser GHA. Heart rate patterns in normoxemic, hypoxemic, and anemic second-trimester fetuses. 1989;160:1034-7
— (see Economides and Nicolaidis). 1989;160:385-9
— (see Economides et al). 1989;160:1091-4
Nicolini U, Talbert DG, Fisk NM, Rodeck CH. Pathophysiology of pressure changes during intrauterine transfusion. 1989;160:1139-45
Nielsen TF, Ljungblad U, Hagberg H. Rupture and dehiscence of cesarean section scar during pregnancy and delivery. 1989;160:569-73
Niemiec TR, Mercer LJ, Stephens JK, Hajj SN. Unusual urethral diverticulum lined by colonic epithelium with Paneth cell metaplasia. 1989;160:186-8
Niesert S (see Casey et al). 1989;160:3-7
Nimrod CA (see Fedorkow et al). 1989;160:998-1001
Nisker JA (see Shatford et al). 1989;160:1002-6
Nobunaga T (see Azuma et al). 1989;160:734-6
Nonogaki H (see Kawaguchi et al). 1989;160:637-41
Nonogaki M (see Kobayashi et al). 1989;160:563-6
— (see Kobayashi et al). 1989;160:1232-8
Norton P (see Gordon et al). 1989;160:182-5
Notelovitz M, Feldman E, Gillespy M, Gudat J. Lipid and lipoprotein changes in women taking low-dose, triphasic oral contraceptives: a controlled, comparative, 12-month clinical trial. 1989;160:1269-80 (Symposium)
Novas J, Myers SA, Gleicher N. Obstetric outcome of patients

- with more than one previous cesarean section. 1989;160:364-7
Nuovo GJ, Cottral S, Richart RM. Occult human papillomavirus infection of the uterine cervix in postmenopausal women. 1989;160:340-4
Nyberg DA (see Hickok et al). 1989;160:1525-31

O

- Obhrai M (see Samra et al). 1989;160:1023-4 (Letter)
O'Brien TJ, Bannon GA, Bard DS, Hardin JW, Quirk JG Jr. Expression of the ras oncogene in gynecologic tumors. 1989;160:344-52
O'Brien WF (see Cohen and O'Brien). 1989;160:766-7 (Letter reply)
O'Connell G (see Jarrell et al). 1989;160:990-4
O'Connor T (see Reece et al). 1989;160:383-4
O'Connor TM (see Barton et al). 1989;160:1316-24
Ogita S, Imanaka M, Matsumoto M, Oka T, Sugawa T. Antibiotics in treatment of chorioamnionitis. 1989;160:271 (Letter reply)
Oguri H (see Suganuma et al). 1989;160:729-33
Ohlsson A. Treatments of preterm premature rupture of the membranes: a meta-analysis. 19. 160:890-906
Oka T (see Ogita et al). 1989;160:271 (Letter reply)
Okon E (see Birkenfeld et al). 1989;160:562-3
Olive DL (see Kaplan et al). 1989;160:40-4
Olsen CL (see Tierson et al). 1989;160:518-9 (Correction) (Letter)
Oosterhuis J (see Challis et al). 1989;160:926-32
Oosting H (see Wolf et al). 1989;160:121-6
Ordorica S (see Marks et al). 1989;160:362-3
Osborne PT, Burkett LL, Ryan GM Jr, Lane M. An evaluation of red blood cell heterogeneity (increased red blood cell distribution width) in iron deficiency of pregnancy. 1989;160:336-9
Ostergard DR (see Bowen et al). 1989;160:452-8
Osykowski PJ (see Thomason et al). 1989;160:757-8
Oulton M, Rasmusson MG, Yoon RY, Fraser M. Gestation-dependent effects of the combined treatment of glucocorticoids and thyrotropin-releasing hormone on surfactant production by fetal rabbit lung. 1989;160:961-7
Owen J, Hauth JC. Polyarteritis nodosa in pregnancy: a case report and brief literature review. 1989;160:606-7
—, —, Williams G, Davis RO, Goldenberg RL, Brumfield CG. A comparison of perinatal outcome in patients undergoing contraction stress testing performed by nipple stimulation versus spontaneously occurring contractions. 1989;160:1081-5
Oyarzun E (see Romero et al). 1989;160:1117-23

P

- Pace S (see Stiller et al). 1989;160:1194-6
Paganini-Hill A (see Ross et al). 1989;160:1301-6 (Symposium)
Palumbo A, Jones C, Lightman A, Carcangiu ML, DeCherney AH, Naftolin F. Immunohistochemical localization of renin and angiotensin II in human ovaries. 1989;160:8-14
Paparella P, Francesconi R, Zullo M, Giorgino R, Riccardi P, Ferrazzani S, Mancuso S. 2,3-Diphosphoglycerate in normal and pathologic pregnancy: relationship to neonatal weight. 1989;160:662-6
Papiernik E (see Peuchmaur et al). 1989;160:765 (Letter)
Paraskevas M (see McNicol et al). 1989;160:265-70
Pareja G (see Repke et al). 1989;160:684-90
— (see Villar et al). 1989;160:380-2

- Parhar RS (see Yagel et al). 1989;160:938-45
— (see Yagel et al). 1989;160:946-53
Parisi VM, Walsh SW. Fetal vascular responses to prostacyclin. 1989;160:871-8
—, —. Fetoplacental vascular responses to prostacyclin after thromboxane-induced vasoconstriction. 1989;160:502-7
Parker CR Jr, Hauth JC, Hankins GDV, Leveno K, Rosenfeld CR, Porter JC, MacDonald PC. Endocrine maturation and lung function in premature neonates of women with diabetes. 1989;160:657-62
Parker RA (see Kossoy et al). 1989;160:1169-72
Parvez H (see Castro et al). 1989;160:15-9
Parvez S (see Castro et al). 1989;160:15-9
Pasquinnucci C (see Contini et al). 1989;160:535-8 (Clin. opinion)
Pastorek JG II. *Chlamydia trachomatis* and premature contractions. 1989;160:1254 (Letter)
Patrick J (see Gagnon et al). 1989;160:160-5
Pattillo RA (see Khazaeli et al). 1989;160:444-9
Patton PE (see Burry et al). 1989;160:1454-61
Pauker SG (see Lamb et al). 1989;160:1470-8
Peaceman AM (see Franger et al). 1989;160:1124-8
Peacock G, Archer S. Myxoid leiomyosarcoma of the uterus: case report and review of the literature. 1989;160:1515-9
Pearce M (see Gordon et al). 1989;160:182-5
Peisner DB (see Timor-Tritsch et al). 1989;160:459-61
Penna LK (see Downey et al). 1989;160:449-51
Pennell TC, Gusdon JP Jr. Retroperitoneal mucinous cystadenoma. 1989;160:1229-31
Penny B (see Schulman et al). 1989;160:192-6
Penry M (see Kofinas et al). 1989;160:704-7
Pepi GJ (see Albrecht et al). 1989;160:237-41
Pepperell RJ (see Lam et al). 1989;160:621-8
Perdue ST (see Crandall et al). 1989;160:1204-6
Pergar Trial Study Group (see Uzan et al). 1989;160:763 (Letter)
Perlman J (see Louv et al). 1989;160:396-402
Pernoll ML (see Smith et al). 1989;160:573-4
Perolo A (see Gabrielli et al). 1989;160:1207-10
Persaud D (see Fedorkow et al). 1989;160:998-1001
Peterson AG (see Cowan et al). 1989;160:1496-504
Peterson HB (see Escobedo et al). 1989;160:147-50
Petraglia F, Sutton S, Vale W. Neurotransmitters and peptides modulate the release of immunoreactive corticotropin-releasing factor from cultured human placental cells. 1989;160:247-51
Petrikovsky B, Cohen M, Andreoli JW Jr. Gynecologic screening examinations: Does the obstetrician-gynecologist's spouse comply? 1989;160:82-5
Peuchmaur M, Pons JC, Papiernik E, Delfraissy JF. Isolation of acquired immunodeficiency syndrome virus from the placenta. 1989;160:765 (Letter)
Phelan JP, Clark SL. Oxytocin administration and uterine exploration in the management of vaginal birth after cesarean—not routine procedures. 1989;160:1539-40 (Letter reply)
Phelps-Sandall B (see Cowan et al). 1989;160:1496-504
Phelps SJ. Digoxin-like immunosubstance in pregnancy and preeclampsia. 1989;160:1019-20 (Letter reply)
Philipson EH, Kalhan SC, Hertz RH. The oral glucose tolerance test with one abnormal value. 1989;160:271-2 (Letter)
—, Super DM. Gestational diabetes mellitus: Does it recur in subsequent pregnancy? 1989;160:1324-31
Phillips J (see Shah et al). 1989;160:214-5
Phillips R (see Westgren et al). 1989;160:1134-8
Piacquadio K (see Moore and Piacquadio). 1989;160:1075-80
Piasecki GJ (see Stonestreet et al). 1989;160:740-5
Pickles CJ, Brinkman CR, Stair er K, Cowley AJ. Changes in peripheral venous tone before the onset of hypertension in women with gestational hypertension. 1989;160:678-80
Piening SL (see Borgatta et al). 1989;160:294-7
Pijpers L (see Lotgering et al). 1989;160:628-30
Pilu G (see Gabrielli et al). 1989;160:1207-10
Pimentel G, Poore ER, Nathanielsz PW. The effect of continuous or pulsatile administration of oxytocin to ewes at 126 to 136 days' gestation on myometrial activity and fetal oxygenation. 1989;160:242-7
Pittard WB III, Schleich DM, Geddes KM, Sorensen RU. New-born lymphocyte subpopulations: the influence of labor. 1989;160:151-4
Piura B. Second-assessment procedure for ovarian epithelial carcinoma. 1989;160:275 (Letter)
Platt LD (see Brar and Platt). 1989;160:36-9
— (see Brar et al). 1989;160:188-91
— (see Brar et al). 1989;160:375-8
Platz-Christensen JJ, Larsson P-G, Sundström E, Bondeson L. Detection of bacterial vaginosis in Papanicolaou smears. 1989;160:132-3
Poindexter AN, Ritter M, Faro S, Castellano MA, Gentry LO, Ismail M, Knuppel RA, Kreutner AK, Lamb EJ, LeFrock JL, Miller RD, Naftolin F, Sweet RL. Results of noncomparative studies of cefotetan in the treatment of obstetric and gynecologic infections (1988;158:717-21). 1989;160:1025 (Correction)
Polakow ES (see Sonnendecker et al). 1989;160:1128-34
Poldre PA. Measurement of intravascular hemolysis. 1989;160:1253 (Letter reply)
Pomili G (see Barbati et al). 1989;160:514-7
Pons JC (see Peuchmaur et al). 1989;160:765 (Letter)
Poore ER (see Pimentel et al). 1989;160:242-7
Porter JC (see Parker et al). 1989;160:657-62
Potish RA (see Downey et al). 1989;160:1055-61
Potkul RK (see Delgado et al). 1989;160:812-9
Potvin W (see Chemtob et al). 1989;160:477-9
Powell W (see Yagel et al). 1989;160:938-45
Prem KA (see Downey et al). 1989;160:1055-61
Prentice M (see Downey et al). 1989;160:449-51
Press MF (see Senekjian et al). 1989;160:592-7
Preyer J (see Tsuiki et al). 1989;160:724-8
Pritchard JA (see Leveno et al). 1989;160:78-9
Prouder A (see Economides et al). 1989;160:1091-4
Purohit DM (see Scott and Purohit). 1989;160:1223-4
- Q
- Qamar T (see Lockshin et al). 1989;160:439-43
Quigley MM (see Gwatkin et al). 1989;160:31-5
Quilligan EJ. Ethics in obstetrics. 1989;160:1413-5 (Symposium)
Quirk JG Jr (see O'Brien et al). 1989;160:344-52
- R
- Rahman A (see Delgado et al). 1989;160:812-9
Rasmussen NG, Hornnes PJ, Hegedüs L. Ultrasonographically determined thyroid size in pregnancy and post partum: the goitrogenic effect of pregnancy. 1989;160:1216-20
Rasmussen MG (see Oulton et al). 1989;160:961-7
Ravid M (see Altaras et al). 1989;160:1210-1
Rayburn WF. Prostaglandin E₂ gel for cervical ripening and

- induction of labor: a critical analysis. 1989;160:529-34 (Clin. opinion)
- Raynolds MV (see Elkind-Hirsch et al). 1989;160:71-8
- Reddick D (see Mueller-Heubach et al). 1989;160:1172-8
- Reddy VV, Carey JC. Effect of umbilical vein oxytocin on puerperal blood loss and length of the third stage of labor. 1989;160:206-8
- Reece EA, Gabrielli S, Abdalla M, O'Connor T, Bargar M, Hobbins JC. Diagnosis of gestational diabetes by use of a glucose polymer. 1989;160:383-4
- (see Gabrielli et al). 1989;160:1207-10
- Reed KL (see Shenker et al). 1989;160:1505-8
- Reichman BS (see Rubin et al). 1989;160:667-71
- Reid KH (see Koontz and Reid). 1989;160:508-9
- Reilly SF (see Hickok et al). 1989;160:1525-31
- Reisner LS (see Key et al). 1989;160:367-71
- Remorgida V, Venturini PL, Anserini P, Lanera P, De Cecco L. Administration of pure follicle-stimulating hormone during gonadotropin-releasing hormone agonist therapy in patients with clomiphene-resistant polycystic ovarian disease: hormonal evaluations and clinical perspectives. 1989;160:108-13
- Repke JT, Villar J, Anderson C, Pareja G, Dubin N, Belizan JM. Biochemical changes associated with blood pressure reduction induced by calcium supplementation during pregnancy. 1989;160:684-90
- Resnik R (see Chin et al). 1989;160:434-8
- (see Key et al). 1989;160:367-71
- Riccardi P (see Paparella et al). 1989;160:662-6
- Rice JP, Kay HH, Mahony BS. The clinical significance of uterine leiomyomas in pregnancy. 1989;160:1212-6
- Richardson BS, Carmichael L, Homan J, Tanswell K, Webster AC. Regional blood flow change in the lamb during the perinatal period. 1989;160:919-25
- (see Challis et al). 1989;160:967-72
- (see Connors et al). 1989;160:932-8
- Richart RM (see Nuovo et al). 1989;160:340-4
- Riemer RK (see Wu et al). 1989;160:838-44
- Ringler GE, Coutifaris C, Strauss JF III, Allen JI, Geier M. Accumulation of colony-stimulating factor 1 in amniotic fluid during human pregnancy. 1989;160:655-6
- Ritchie JWK (see Morrow et al). 1989;160:138-40
- (see Morrow et al). 1989;160:995-7
- Ritter DB (see Vermund et al). 1989;160:304-8
- Rizzo N (see Gabrielli et al). 1989;160:1207-10
- Roark ML (see Davis et al). 1989;160:63-70
- Roberts JM (see Wu et al). 1989;160:838-44
- Roberts N (see Ronkin et al). 1989;160:407-11
- Robertson DM (see Low et al). 1989;160:608-14
- Rock JA, Jones HW Jr. Construction of a neovagina for patients with a flat perineum. 1989;160:845-53
- Rodeck CH (see Nicolini et al). 1989;160:1139-45
- Rogers BJ (see Kossoy et al). 1989;160:1169-72
- Romero R (see Kadar and Romero). 1989;160:1255-6 (Letter)
- , Brody DT, Oyarzun E, Mazor M, Wu YK, Durum SK, Hobbins JC. Infection and labor. III. Interleukin-1: a signal for the onset of parturition. 1989;160:1117-23
- (see Lockwood et al). 1989;160:1030-3 (Clin. opinion)
- (see Stiller et al). 1989;160:1194-6
- Ronkin S, Chayen B, Wapner RJ, Blocklinger A, Davis G, Roberts N, Hux CH. Intravascular exchange and bolus transfusion in the severely isoimmunized fetus. 1989;160:407-11
- (see Warren et al). 1989;160:197
- Rose JC (see Eisenach et al). 1989;160:471-6
- Rosen D (see Altaras et al). 1989;160:1210-1
- Rosén KG (see Widmark et al). 1989;160:1245-50
- Rosenfeld CR (see Parker et al). 1989;160:657-62
- Ross RK, Paganini-Hill A, Mack TM, Henderson BE. Cardiovascular benefits of estrogen replacement therapy. 1989;160:1301-6 (Symposium)
- Rotmans N (see Wallenburg and Rotmans). 1989;160:763-4 (Letter reply)
- Rotmensch J, Atcher RW, Hines J, Grdina D, Schwartz JS, Toohill M, Herbst AL. The development of α -emitting radionuclide lead 212 for the potential treatment of ovarian carcinoma. 1989;160:789-97
- Rotmensch S, Scommegna A. Spontaneous ovarian hyperstimulation syndrome associated with hypothyroidism. 1989;160:1220-2
- Roversi GD, Grasso S. Sonographic determination of fetal weights in diabetic pregnancies. 1989;160:1534 (Letter)
- Rubin SC, Hoskins WJ, Hakes TB, Markman M, Reichman BS, Chapman D, Lewis JL Jr. Serum CA 125 levels and surgical findings in patients undergoing secondary operations for epithelial ovarian cancer. 1989;160:667-71
- Rudelstorfer R (see Bernaschek and Rudelstorfer). 1989;160:1256-7 (Letter reply)
- Ruedrich DA (see Castillo et al). 1989;160:172-5
- (see Castillo et al). 1989;160:692-3
- (see Devoe et al). 1989;160:166-71
- Runowicz CD (see Ciobanu et al). 1989;160:354-5
- Rutledge FN. Hazards of clinical investigation. 1989;160:1417-9 (Symposium)
- Ryan GM Jr (see Osborne et al). 1989;160:336-9
- Ryan KJ. Ethical issues in reproductive endocrinology and infertility. 1989;160:1415-7 (Symposium)

S

- Sabbadini E (see Bose et al). 1989;160:954-60
- Sabbagha RE, Minogue J, Tamura RK, Hungerford SA. Estimation of birth weight by use of ultrasonographic formulas targeted to large-, appropriate-, and small-for-gestational-age fetuses. 1989;160:854-62
- Sabey P (see Clark et al). 1989;160:694-7
- (see Clark et al). 1989;160:1040-2
- Sacks AJ (see Evans et al). 1989;160:1332-9
- Sadovsky G (see Nicolaides et al). 1989;160:1034-7
- Sagawa N (see Kobayashi et al). 1989;160:563-6
- (see Kobayashi et al). 1989;160:1232-8
- Saigal V (see Schreier et al). 1989;160:80-1
- Saji F (see Azuma et al). 1989;160:734-6
- Salafia CM, Mangam HE, Weigl CA, Foye GJ, Silberman L. Abnormal fetal heart rate patterns and placental inflammation. 1989;160:140-7
- Saleh AA (see Bhatia et al). 1989;160:1022-3 (Letter reply)
- Saltzman DN (see Benson et al). 1989;160:1534-5 (Letter reply)
- Salvador HS, Koos BJ. Effects of regular and decaffeinated coffee on fetal breathing and heart rate. 1989;160:1043-7
- Salyer SL (see Shah et al). 1989;160:586-91
- Samra JS, Tang L, Samra MK, Newton J, Obhrai M. Changing trends in the cesarean section rates for stillbirths. 1989;160:1023-4 (Letter)
- Samra MK (see Samra et al). 1989;160:1023-4 (Letter)
- Samuels P (see Ludmir et al). 1989;160:273-4 (Letter reply)
- Sand PK (see Bowen et al). 1989;160:452-8
- Sandberg EC. Only an attitude away: the potential of reproductive surrogacy. 1989;160:1441-6 (Pres address)
- Sandstad J (see Baginski et al). 1989;160:671-2

- Schenken RS (see Kaplan et al). 1989;160:40-4
- Schiedermayer DL (see La Puma et al). 1989;160:59-62 (Clin. opinion)
- Schiffman MH (see Vermund et al). 1989;160:304-8
- Schilling LH, Bolding OT, Chenault CB, Chong AP, Fleury F, Forrest K, Glick HI, Hasson HM, Heil CG, London RS. Evaluation of the clinical performance of three triphasic oral contraceptives: a multicenter, randomized comparative trial. 1989;160:1264-8 (Symposium)
- Schlaerth JB (see Curry et al). 1989;160:805-11
- Schleich DM (see Pittard et al). 1989;160:151-4
- Schmidt KG (see Langer et al). 1989;160:1145-50
- Schneider H (see Spätling et al). 1989;160:713-7
- Schreier L, Cutler RM, Saigal V. Respiratory failure in asthma during the third trimester: report of two cases. 1989;160:80-1
- Schulman H. Avoiding the fixed period and Thanatos syndrome: obstetrics past, present, and future. 1989;160:54-8 (Clin. opinion)
- , Winter D, Farmakides G, Ducey J, Guzman E, Coury A, Penny B. Pregnancy surveillance with Doppler velocimetry of uterine and umbilical arteries. 1989;160:192-6
- Schwartz JS (see Rotmensch et al). 1989;160:789-97
- Schwartz R (see Voutilainen et al). 1989;160:429-34
- Scola GC (see Ghidini et al). 1989;160:86-7
- Scommegna A (see Rotmensch and Scommegna). 1989;160:1220-2
- Scott AA, Purohit DM. Neonatal renal failure: a complication of maternal antihypertensive therapy. 1989;160:1223-4
- Scott DR (see Chin et al). 1989;160:434-8
- Sealey JE (see Bond et al). 1989;160:1112-6
- Searle NS (see Castillo et al). 1989;160:172-5
- (see Devoe et al). 1989;160:166-71
- (see Devoe et al). 1989;160:1086-90
- Seely L (see Elias et al). 1989;160:879-86
- Seif MW, Aplin JD, Foden LJ, Tindall VR. A novel approach for monitoring the endometrial cycle and detecting ovulation. 1989;160:357-62
- Seifer DB, Adelson MD, Abdul-Karim RW, Baggish MS. Appraising a clinical journal article in obstetrics and gynecology. 1989;160:198-201
- Selbing A (see Westgren et al). 1989;160:1134-8
- Senekjian EK, Press MF, Blough RR, Herbst AL, DeSombre ER. Comparison of the quantity of estrogen receptors in human endometrium and myometrium by steroid-binding assay and enzyme immunoassay based on monoclonal antibodies to human estrophilin. 1989;160:592-7
- Seo H (see Suganuma et al). 1989;160:729-33
- Shah DM, Brown JE, Salyer SL, Fleischer AC, Boehm FH. A modified scheme for biophysical profile scoring. 1989;160:586-91
- , Jeanty P, Dev VG, Ulm JE, Phillips J. Diagnosis of trisomy 18 in monozygotic twins by cordocentesis. 1989;160:214-5
- Shahbahrani B (see Kovacs et al). 1989;160:798-804
- Shanis BS (see Check et al). 1989;160:598-9
- Shapira J (see Altaras et al). 1989;160:1210-1
- Shapiro H, Lyons E. Late maternal age and postdate pregnancy. 1989;160:909-12
- Shatford LA, Brown SE, Yuzpe AA, Niskier JA, Casper RF. Assessment of experienced pain associated with transvaginal ultrasonography-guided oocyte recovery in in vitro fertilization patients. 1989;160:1002-6
- Shear NH (see Koren et al). 1989;160:1190-4
- Shearin RS, Boelke J, Karanth S. Toxic shock-like syndrome associated with Bartholin's gland abscess: case report. 1989;160:1073-4
- Shekarloo A, Mendez-Bauer C, Cook V, Freese U. Terbutaline (intravenous bolus) for the treatment of acute intrapartum fetal distress. 1989;160:615-8
- Shelden RM (see Horvath et al). 1989;160:631-7
- Shenker L, Reed KL, Anderson CF, Kern W. Fetal pericardial effusion. 1989;160:1505-8
- Sheridan C (see Ciobanu et al). 1989;160:354-5
- Shimokawa H (see Miyamoto et al). 1989;160:155-9
- Shirk GJ. Use of the Nd:YAG laser for the treatment of endometriosis. 1989;160:1344-51
- Shively CA (see Clark et al). 1989;160:1280-5 (Symposium)
- Shoupe D, Mishell DR. Norplant: subdermal implant system for long-term contraception. 1989;160:1286-92 (Symposium)
- Shuber J. Transcervical sterilization with use of methyl 2-cyanoacrylate and a newer delivery system (the FEMCEPT device). 1989;160:887-9
- Shull BL, Baden WF. A six-year experience with paravaginal defect repair for stress urinary incontinence. 1989;160:1432-40
- Shulman LP (see Elias et al). 1989;160:879-86
- Sibai BM (see Ahokas et al). 1989;160:480-4
- (see Taslimi et al). 1989;160:1352-60
- (see Villar and Sibai). 1989;160:419-23
- Silberman L (see Salafia et al). 1989;160:140-7
- Silva PD, Beguin EA Jr. Intraoperative rapid autologous blood transfusion. 1989;160:1226-7
- Silverman NH. Apical four-chamber ultrasonography as screen for congenital heart disease. 1989;160:1017 (Letter)
- (see Langer et al). 1989;160:1145-50
- Simchowit E (see Sonnendecker et al). 1989;160:1128-34
- Simpson JL (see Elias et al). 1989;160:879-86
- Simpson LL (see Low et al). 1989;160:608-14
- Simpson WG, DePriest PD, Conover WB. Acute pericarditis complicated by cardiac tamponade during pregnancy. 1989;160:415-6
- Sinosich M (see Wolf et al). 1989;160:45-7
- Sirtori M (see Ghidini et al). 1989;160:86-7
- Smith LF Jr, Summers PR, Miles RW, Biswas MK, Pernoll ML. Gonococcal chorioamnionitis associated with sepsis: a case report. 1989;160:573-4
- Smith RP. Pressure-velocity analysis of uterine muscle during spontaneous dysmenorrheic contractions in vivo. 1989;160:1400-5
- Socol ML (see Ney et al). 1989;160:424-6
- Sokol RJ, Martier SS, Ager JW. The T-ACE question: practical prenatal detection of risk-drinking. 1989;160:863-70
- (see Evans et al). 1989;160:1332-9
- Sonnendecker EWW, Polakow ES, Benadé AJS, Simchowit E. Serum lipoprotein effects of conjugated estrogen and a sequential conjugated estrogen-medrogestone regimen in hysterectomized postmenopausal women. 1989;160:1128-34
- Soong S-J (see Khazaeli et al). 1989;160:444-9
- Sorensen RU (see Pittard et al). 1989;160:151-4
- Spätling L, Fallenstein F, Schneider H, Dancis J. Bolus tocolysis: treatment of preterm labor with pulsatile administration of a β -adrenergic agonist. 1989;160:713-7
- Spence M (see Check et al). 1989;160:114-5
- Spinnato JA (see Almeida and Spinnato). 1989;160:1225-6
- Stainer K (see Pickles et al). 1989;160:678-80
- Stangenberg M (see Westgren et al). 1989;160:1134-8
- Stanley C (see Check et al). 1989;160:598-9

- Stanley MW (see Henry et al). 1989;160:352-3
Stanton SL (see Gordon et al). 1989;160:182-5
Stay EJ (see Tchabo and Stay). 1989;160:88-9
Stehman FB (see Sutton et al). 1989;160:1385-93
Steinfeld L (see Mendoza et al). 1989;160:1038-40
Stephens JK (see Niemiec et al). 1989;160:186-8
Stiller RJ. Early ultrasonic appearance of fetal bladder outlet obstruction. 1989;160:584-5
—, Blair E, Clark P, Tinghitella T. Rapid detection of vaginal colonization with group B streptococci by means of latex agglutination. 1989;160:566-8
—, Romero R, Pace S, Hobbins JC. Prenatal identification of twin reversed arterial perfusion syndrome in the first trimester. 1989;160:1194-6
Stonestreet BS, Piasecki GJ, Susa JB, Jackson BT. Effects of insulin infusion on plasma catecholamine concentration in fetal sheep. 1989;160:740-5
Stovall TG, Ling FW, Cope BJ, Buster JE. Preventing ruptured ectopic pregnancy with a single serum progesterone. 1989;160:1425-31
Strauman T (see Ciobanu et al). 1989;160:354-5
Strauss JF III (see Ringler et al). 1989;160:655-6
Stringer CA (see Copeland et al). 1989;160:1095-101
Strobino DM (see Wilcox et al). 1989;160:1047-52
Stronge JM (see Turner et al). 1989;160:765-6 (Letter)
Sturk A (see de Boer et al). 1989;160:95-100
Suganuma N, Seo H, Yamamoto N, Kikkawa F, Oguri H, Narita O, Tomoda Y, Matsui N. The ontogeny of growth hormone in the human fetal pituitary. 1989;160:729-33
Sugawa T (see Ogita et al). 1989;160:271 (Letter reply)
Sumioki H (see Miyamoto et al). 1989;160:155-9
Summers PR (see Smith et al). 1989;160:573-4
Sundström E (see Platz-Christensen et al). 1989;160:132-3
Super DM (see Philipson and Super). 1989;160:1324-31
Susa JB (see Stonestreet et al). 1989;160:740-5
Sutton GP, Geisler HE, Stehman FB, Young PCM, Kimes TM, Ehrlich CE. Features associated with survival and disease-free survival in early endometrial cancer. 1989;160:1385-93
Sutton S (see Petraglia et al). 1989;160:247-51
Swain M (see Kofinas et al). 1989;160:704-7
Sweeney PJ. A comparison of low birth weight, perinatal mortality, and infant mortality between first and second births to women 17 years old and younger. 1989;160:1361-70
Syracuse CD (see Lazebnik et al). 1989;160:1184-9

T

- Talbert DG (see Nicolini et al). 1989;160:1139-45
Tamimi HK (see Greer et al). 1989;160:1509-14
Tamura RK (see Sabbagha et al). 1989;160:854-62
Tang L (see Samra et al). 1989;160:1023-4 (Letter)
Tanizawa O (see Azuma et al). 1989;160:734-6
Tanswell K (see Richardson et al). 1989;160:919-25
Taslimi CK (see Taslimi et al). 1989;160:1352-60
Taslimi MM, Sibai BM, Amon E, Taslimi CK, Herrick CN. A national survey on preterm labor. 1989;160:1352-60
Taufield PA (see Bond et al). 1989;160:1112-6
Tchabo J-G, Stay EJ. Gravidae macromastia: case report. 1989;160:88-9
Tejani N (see Bardeguez et al). 1989;160:202-6
ten Cate JW (see de Boer et al). 1989;160:95-100

- Tenenbein M (see Van Ameyde and Tenenbein). 1989;160:646-7
Tengborn L, Bergqvist D, Mätzsch T, Bergqvist A, Hedner U. Recurrent thromboembolism in pregnancy and puerperium. 1989;160:90-4
Tennant FR (see Cowan et al). 1989;160:1496-504
— (see Crandall et al). 1989;160:1204-6
Teramo KA (see Voutilainen et al). 1989;160:429-34
Testart J (see Frydman et al). 1989;160:209-13
Tetta C (see Benedetto et al). 1989;160:100-4
Thaler I (see Itskovitz et al). 1989;160:215-7
Tharapel A (see Elias et al). 1989;160:879-86
Thiery M, De Boever J, Merchiers E, Martens G. Hormones and cervical ripening. 1989;160:1251-3 (Letter)
Thomason JL, Gelbart SM, Osypowski PJ, Walt AK, Hamilton PR. Quality control standards for the proline aminopeptidase assay used to detect bacterial vaginosis. 1989;160:757-8
Thompson CS (see Chestnut et al). 1989;160:510-3
Thornycroft IH. The role of estrogen replacement therapy in the prevention of osteoporosis. 1989;160:1306-10 (Symposium)
Thorp JM Jr, Bowes WA Jr. Episiotomy: Can its routine use be defended? 1989;160:1027-30 (Clin. opinion)
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- Weiner CP, Hdez M, Chestnut DH, Herrig J. Effect of exogenous prostacyclin on central and uterine hemodynamics in the chronically instrumented pregnant guinea pig before and after indomethacin administration. 1989;160:489-93
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Wilcox LS, Strobino DM, Baruffi G, Dellinger WS Jr. Episiotomy and its role in the incidence of perineal lacerations in a maternity center and a tertiary hospital obstetric service. 1989;160:1047-52
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- Yagel S, Casper RF, Powell W, Parhar RS, Lala PK. Characterization of pure human first-trimester cytotrophoblast cells in long-term culture: growth pattern, markers, and hormone production. 1989;160:938-45
—, Parhar RS, Lala PK. Trophic effects of first-trimester human trophoblasts and human chorionic gonadotropin on lymphocyte proliferation. 1989;160:946-53
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Transactions of the fifty-sixth annual meeting of the Central Association of Obstetricians and Gynecologists. 1989;160:1311-412

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The effects of vibratory acoustic stimulation on baseline fetal heart rate in term pregnancy (Devoe et al). 1989;160:1086-90

Fetal heart rate transmission with the facsimile telecopier in rural areas (Clark et al). 1989;160:1040-2

Fetal premature atrial contractions associated with hydralazine (Lodeiro et al). 1989;160:105-7

Heart rate patterns in normoxemic, hypoxemic, and anemic second-trimester fetuses (Nicolaidis et al). 1989;160:1034-7

A modified scheme for biophysical profile scoring (Shah et al). 1989;160:586-91

Pregnancy surveillance with Doppler velocimetry of uterine and umbilical arteries (Schulman et al). 1989;160:192-6

The preterm nonstress test: effects of gestational age and length of study (Castillo et al). 1989;160:172-5

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Value of observation of fetal breathing activity in antenatal assessment of high-risk pregnancy (Devoe et al). 1989;160:166-71

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Human fetal ductal flow velocity waveforms relative to behavioral states in normal term pregnancy (van der Mooren et al). 1989;160:371-4

A prospective evaluation of fetal movement screening to reduce the incidence of antepartum fetal death (Moore and Piacquadio). 1989;160:1075-80

Vibratory acoustic stimulation in 26- to 32-week, small-for-gestational-age fetus (Gagnon et al). 1989;160:160-5

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Neodymium:yttrium-aluminum-garnet laser occlusion of rhesus placental vasculature via fetoscopy (DeLia et al). 1989;160:485-9

Fetus

The clinical significance of prenatally diagnosed choroid plexus cysts (Gabrielli et al). 1989;160:1207-10

Cyst of the fetal choroid plexus: A normal variant? (Benacerraf and Laboda). 1989;160:319-21

Fetal control of maternal prolactin production and bioactivity in utero (McCoshen). 1989;160:322-7

Fetus, abnormalities

Early ultrasonic appearance of fetal bladder outlet obstruction (Stiller). 1989;160:584-5

Feasibility of placental biopsy in the second trimester for fetal diagnosis (Chieri and Aldini). 1989;160:581-3

Fetal intracranial calcifications (Ghidini et al). 1989;160:86-7

Fetal organ and xenograft transplantation (Drugan et al). 1989;160:289-93 (Clin. opinion)

Perinatal diagnosis of congenital defects of anterior abdominal wall (Meizner). 1989;160:1537-8 (Letter)

Prenatal detection of Down syndrome (Bouchard and Bissonnette) (Letter); (Lockwood and Hobbins) (Reply). 1989;160:1536-7

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The effect of continuous or pulsatile administration of oxytocin to ewes at 126 to 136 days' gestation on myometrial activity and fetal oxygenation (Pimentel et al). 1989;160:242-7

The effect of estrogen on placental delivery after fetectomy in baboons (Albrecht et al). 1989;160:237-41

Gestation-dependent effects of the combined treatment of glucocorticoids and thyrotropin-releasing hormone on surfactant production by fetal rabbit lung (Oulton et al). 1989;160:961-7

Intravenous administration of *d*-tubocurarine and pancuronium in fetal lambs (Chestnut et al). 1989;160:510-3

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Relationship between fetal heart rate and umbilical blood flow velocity in term human fetuses during labor (Mansouri et al). 1989;160:1007-12

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Fetal and maternal endocrine responses to prolonged reductions in uterine blood flow in pregnant sheep (Challis et al). 1989;160:926-32

Fetal vascular responses to prostacyclin (Parisi and Walsh). 1989;160:871-8

Regional blood flow change in the lamb during the perinatal period (Richardson et al). 1989;160:919-25

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Doppler assessment of the pulsatility index in the cerebral circulation of the human fetus (Mari et al). 1989;160:698-703

The effects of acute alcohol intoxication on biophysical activities: a case report (Castillo et al). 1989;160:692-3

Heart rate patterns in normoxic, hypoxic, and anemic second-trimester fetuses (Nicolaidis et al). 1989;160:1034-7

Nonstress testing with acoustic stimulation and amniotic fluid volume assessment: 5973 tests without unexpected fetal death (Clark et al). 1989;160:694-7

The ontogeny of growth hormone in the human fetal pituitary (Suganuma et al). 1989;160:729-33

Sinusoidal fetal heart rate pattern during breathing is related to the respiratory sinus arrhythmia: a case report (Berestka et al). 1989;160:690-2

Vibratory acoustic stimulation in 26- to 32-week, small-for-gestational-age fetus (Gagnon et al). 1989;160:160-5

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Fetus, physiology

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In vivo and in vitro effects of androgens on rat ovarian granulosa cells (Anderson). 1989;160:782-8

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Administration of pure follicle-stimulating hormone during gonadotropin-releasing hormone agonist therapy in patients with clomiphene-resistant polycystic ovarian disease: hormonal evaluations and clinical perspectives (Remorgida et al). 1989;160:108-13

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Galactosyltransferases

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Combining maternal serum α -fetoprotein measurements and age to screen for Down syndrome in pregnant women under age 35 (New England Regional Genetics Group Prenatal Collaborative Study of Down Syndrome Screening). 1989;160:575-81

Genetic diagnosis in the first trimester: the norm for the 1990s (Evans et al). 1989;160:1332-9

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Child sexual abuse—genital tract findings in prepubertal girls. I. The unaided medical examination (Muram). 1989;160:328-33

Child sexual abuse—genital tract findings in prepubertal girls. II. Comparison of colposcopic and unaided examinations (Muram and Elias). 1989;160:333-5

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Gentamicin dosing in postpartum women with endometritis (Briggs et al). 1989;160:309-13

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- Clinical aspects of three new progestogens: desogestrel, gestodene, and norgestimate (Chez). 1989;160:1296-300 (Symposium)

Glucocorticoids

- Gestation-dependent effects of the combined treatment of glucocorticoids and thyrotropin-releasing hormone on surfactant production by fetal rabbit lung (Oulton et al). 1989;160:961-7

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- Diagnosis of gestational diabetes by use of a glucose polymer (Reece et al). 1989;160:383-4
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- The oral glucose tolerance test with one abnormal value (Philipson et al) (Letter); (Langer) (Reply). 1989;160:271-2

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- The effect of medroxyprogesterone acetate (Provera) on ovarian radiosensitivity (Jarrell et al). 1989;160:990-4

Glycoproteins

- Immunohistochemical localization and tissue levels of tumor-associated glycoproteins CA 125 and CA 19-9 in the decidua and fetal membranes at various gestational ages (Kobayashi et al). 1989;160:1232-8
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Gynecology

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The effects of vibratory acoustic stimulation on baseline fetal heart rate in term pregnancy (Devoe et al). 1989;160:1086-90

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Fetal premature atrial contractions associated with hydralazine (Lodeiro et al). 1989;160:105-7

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The influence of spontaneous accelerations of fetal heart rate on umbilical artery velocity waveforms (Morrow et al). 1989;160:995-7

Intermittent fetal bradycardia induced by midpregnancy fetal ultrasonographic study (Mendoza et al). 1989;160:1038-40

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Mixed cord compression (Goldkrand) (Letter); (Divon) (Reply). 1989;160:276-7

The preterm nonstress test: effects of gestational age and length of study (Castillo et al). 1989;160:172-5

Relationship between fetal heart rate and umbilical blood flow velocity in term human fetuses during labor (Mansouri et al). 1989;160:1007-12

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A comparative histologic study on the healing process after tissue transection. II. Carbon dioxide laser and surgical microscissors (Filmar et al). 1989;160:1068-72

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Association of human immunodeficiency virus-induced immunosuppression with human papillomavirus infection

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and cervical intraepithelial neoplasia (Henry et al). 1989;160:352-3

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Prevalence of human immunodeficiency virus in a general prenatal population (Barton et al). 1989;160:1316-24

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Characterization of pure human first-trimester cytotrophoblast cells in long-term culture: growth pattern, markers, and hormone production (Yagel et al). 1989;160:938-45

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Changes in peripheral venous tone before the onset of hypertension in women with gestational hypertension (Pickles et al). 1989;160:678-80

Clinical significance of elevated mean arterial blood pressure in second trimester and threshold increase in systolic or diastolic blood pressure during third trimester (Villar and Sibai). 1989;160:419-23

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Intrapartum fetal heart rate patterns in pregnancies complicated by hypertension: a cohort study (Montan and Ingemarsson). 1989;160:283-8 (Clin. opinion)

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Labetalol does not decrease placental perfusion in the hypertensive term-pregnant rat (Ahokas et al). 1989;160:480-4

Selective increase in placental blood flow by atrial natriuretic peptide in hypertensive rats (Chemtob et al). 1989;160:477-9

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Single-dose prophylaxis in patients undergoing vaginal hysterectomy: cefamandole versus cefotaxime (The Multi-center Study Group). 1989;160:1198-201

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Change of immunoglobulin G antibody levels to *Toxoplasma gondii* during pregnancy in an obstetric population (Konishi). 1989;160:356-7

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Immunoenzyme techniques

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Immunoglobulins

Immunoglobulin-mediated hypersensitivity in response to long-term treatment with gonadorelin hydrochloride (Factrel) in a female patient (Foster et al). 1989;160:979-83

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Immunohistochemical localization and tissue levels of tumor-associated glycoproteins CA 125 and CA 19-9 in the decidua and fetal membranes at various gestational ages (Kobayashi et al). 1989;160:1232-8

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Purified human early pregnancy factor from preimplantation embryo possesses immunosuppressive properties (Bose et al). 1989;160:954-60

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Outcome of very-low-birth-weight infants: Does antepartum versus neonatal referral have a better impact on mortality, morbidity, or long-term outcome? (Lubchenco et al). 1989;160:539-45

Umbilical artery creatine kinase brain-band isozyme as a predictor of neonatal periventricular-intraventricular hemorrhage (Bardeguet et al). 1989;160:202-6

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Regional blood flow change in the lamb during the perinatal period (Richardson et al). 1989;160:919-25

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Inflammatory bowel disease: a controlled study of late pregnancy outcome (Fedorkow et al). 1989;160:998-1001

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Need for differentiation of small-for-gestational-age infants and those with intrauterine growth retardation (Goodlin). 1989;160:1024-5 (Letter)

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A comparison of low birth weight, perinatal mortality, and infant mortality between first and second births to women 17 years old and younger (Sweeney). 1989;160:1361-70

Outcome of very-low-birth-weight infants: Are populations of neonates inherently different after antenatal versus neonatal referral? (Delaney-Black et al). 1989;160:545-52

Outcome of very-low-birth-weight infants: Does antepartum versus neonatal referral have a better impact on mortality, morbidity, or long-term outcome? (Lubchenco et al). 1989;160:539-45

Temporal relationships of neuropathologic conditions caused by perinatal asphyxia (Low et al). 1989;160:608-14

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Amnionitis and life-threatening respiratory distress after percutaneous umbilical blood sampling (Wilkins et al). 1989;160:427-8

Antibody to endotoxin is associated with decreased frequency of postoperative infection (Gould et al). 1989;160:317-9

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a study on 1017 patients from 1966 to 1985 in Turku, Finland (Mäkinen et al). 1989;160:642-6

Occult human papillomavirus infection of the uterine cervix in postmenopausal women (Nuovo et al). 1989;160:340-4

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Failure of sperm-induced immunosuppression: association with antisperm antibodies in women (Witkin). 1989;160:1166-8

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Identification of a deoxyribonucleic acid allelic variant for β 1-4 galactosyltransferase associated with male sperm binding/penetration infertility (Humphreys-Beher and Blackwell). 1989;160:1160-5

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Inflammatory bowel disease: a controlled study of late pregnancy outcome (Fedorkow et al). 1989;160:998-1001

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Respiratory failure in asthma during the third trimester: report of two cases (Schreier et al). 1989;160:80-1

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A prospective study on the lack of development of antisperm antibodies in women undergoing intrauterine insemination (Horvath et al). 1989;160:631-7

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Internship and residency

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The clinical significance of prenatally diagnosed choroid plexus cysts (Gabielli et al). 1989;160:1207-10

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Kidney failure, acute

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Labetalol

Labetalol does not decrease placental perfusion in the hypertensive term-pregnant rat (Ahokas et al). 1989;160:480-4

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The effect of estrogen on placental delivery after fetectomy in baboons (Albrecht et al). 1989;160:237-41

Effects of physical activity on maternal plasma β -endorphin levels and perception of labor pain (Varrassi et al). 1989;160:707-12

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Maternal temperature during labor (Goodlin) (Letter); (Acker) (Reply). 1989;160:274-5

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Umbilical cord is the major source of prostaglandin E_2 in the gestational sac during term labor (McCoshen et al). 1989;160:973-8

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Progesterone antagonist (RU 486) for cervical dilation, labor induction, and delivery in monkeys: effectiveness in combination with oxytocin (Wolf et al). 1989;160:45-7

Prostaglandin E_2 gel for cervical ripening and induction of labor: a critical analysis (Rayburn). 1989;160:529-34 (Clin. opinion)

Labor, premature

The association between decreased amniotic fluid volume and treatment with nonsteroidal anti-inflammatory agents for preterm labor (Hickok et al). 1989;160:1525-31

Bolus tocolysis: treatment of preterm labor with pulsatile administration of a β -adrenergic agonist (Spätling et al). 1989;160:713-7

Chlamydia trachomatis and premature contractions (Pastorek) (Letter); (Cohen and Fejgin) (Reply). 1989;160:1254-5

The clinical significance of uterine leiomyomas in pregnancy (Rice et al). 1989;160:1212-6

Coitus, twin pregnancy, and preterm labor (Neilson and Mutambira). 1989;160:416-8

Effect of food withdrawal on arterial blood glucose and plasma 13,14-dihydro-15-keto-prostaglandin $F_{2\alpha}$ concentrations and nocturnal myometrial electromyographic activity in the pregnant rhesus monkey in the last third of gestation: A model for preterm labor? (Binienda et al). 1989;160:746-50

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Gonococcal chorioamnionitis associated with sepsis: a case report (Smith et al). 1989;160:573-4

Infection and labor. III. Interleukin-1: a signal for the onset of parturition (Romero et al). 1989;160:1117-23

A national survey on preterm labor (Taslimi et al). 1989;160:1352-60

Prematurity, postdates, and growth retardation: the influence of use of ultrasonography on reported gestational age (Goldenberg et al). 1989;160:462-70

Preterm birth prevention: evaluation of a prospective controlled randomized trial (Mueller-Heubach et al). 1989;160:1172-8

Twin with hydramnios: treating premature labor at source (Lange et al). 1989;160:552-7

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Hormones and cervical ripening (Thiery et al) (Letter); (Zuidema et al) (Reply). 1989;160:1251-3

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The management of early labor (Turner et al) (Letter); (Murphy) (Letter); (Cohen and O'Brien) (Reply). 1989;160:765-7

Purification and characterization of a uterine phospholipase inhibitor that loses activity after labor onset in women (Wilson et al). 1989;160:602-6

Relationship between fetal heart rate and umbilical blood flow velocity in term human fetuses during labor (Mansouri et al). 1989;160:1007-12

Labor stage, third

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Management of the third stage of labor in pregnancies terminated by prostaglandin E_2 (Kirz and Haag). 1989;160:412-4

Langerhans cells

S-100 sensitivity as a marker for Langerhans's cells (Maddox et al) (Letter); (Hawthorn and MacLean) (Reply). 1989;160:767-8

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Pretreatment surgical staging in cervical carcinoma: therapeutic efficacy of pelvic lymph node resection (Downey et al). 1989;160:1055-61

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Laser surgery

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A comparative histologic study on the healing process after tissue transection. II. Carbon dioxide laser and surgical microscissors (Filmar et al). 1989;160:1068-72

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Latex fixation tests

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Differential role of protein kinase C in the action of luteinizing hormone-releasing hormone on hormone production in rat ovarian cells (Wang et al). 1989;160:984-9
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A phase I/II study of intraperitoneally administered doxorubicin entrapped in cardiolipin liposomes in patients with ovarian cancer (Delgado et al). 1989;160:812-9

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Format of an obstetrics and gynecology journal club and four years' experience (Thurnau and Fishburne). 1989;160:313-6
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Effects of outflow pressure on fetal lymph flow (Brace). 1989;160:494-7

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From menarche to menopause: coronary artery atherosclerosis and protection in cynomolgus monkeys (Clarkson et al). 1989;160:1280-5 (Symposium)
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Mass screening

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Maternal age 35 and over

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Maternal-fetal exchange

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McIndoe vaginal creation

Construction of a neovagina for patients with a flat perineum (Rock and Jones). 1989;160:845-53

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Meclofenamic acid

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Medical indigency

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The role of estrogen replacement therapy in the prevention of osteoporosis (Thornycroft). 1989;160:1306-10 (Symposium)

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Serum lipoprotein effects of conjugated estrogen and a sequential conjugated estrogen-medrogestone regimen in hysterectomized postmenopausal women (Sonnendecker et al). 1989;160:1128-34

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A novel approach for monitoring the endometrial cycle and detecting ovulation (Seif et al). 1989;160:357-62

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Effect of food withdrawal on arterial blood glucose and plasma 13,14-dihydro-15-keto-prostaglandin $F_{2\alpha}$ concentrations and nocturnal myometrial electromyographic ac-

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A functional and structural study of the innervation of the human uterus (Morizaki et al). 1989;160:218-28

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Progesterone prevents linkage of rabbit myometrial α_2 -adrenergic receptors to inhibition of adenylate cyclase (Wu et al). 1989;160:838-44

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Laparoscopic laser treatment of endometriosis with the Nd:YAG sapphire probe (Corson et al). 1989;160:718-23

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- New nomenclature for vulvar disease: report of the committee on terminology. 1989;160:769 (Announcement)
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- Combining maternal serum α -fetoprotein measurements and age to screen for Down syndrome in pregnant women under age 35 (New England Regional Genetics Group Prenatal Collaborative Study of Down Syndrome Screening). 1989;160:575-81

Pregnancy complications

- Abdominal gunshot wounds in pregnancy (Franger et al). 1989;160:1124-8
- Congenital hereditary fructose intolerance and pregnancy (Marks et al). 1989;160:362-3
- Depressive symptoms during pregnancy: relationship to poor health behaviors (Zucherman et al). 1989;160:1107-11
- Fetal and maternal endocrine responses to prolonged reductions in uterine blood flow in pregnant sheep (Challis et al). 1989;160:926-32
- Gestational diabetes mellitus: Does it recur in subsequent pregnancy? (Philpison and Super). 1989;160:1324-31
- Gravidic macromastia: case report (Tchabo and Stay). 1989;160:88-9

- Management of pregnancy in diethylstilbestrol-exposed patients (Harger) (Letter); (Ludmir et al) (Reply). 1989;160:273-4
- Maternal Bartter's syndrome and pregnancy (Almeida and Spinnato). 1989;160:1225-6
- Maternal weight loss associated with hyperemesis gravidarum: a predictor of fetal outcome (Gross et al). 1989;160:906-9
- Physiologic role of endogenous human atrial natriuretic peptide in preeclamptic pregnancies (Miyamoto et al). 1989;160:155-9
- Placental isoferritin: a new serum marker in toxemia of pregnancy (Maymon et al). 1989;160:681-4
- Polyarteritis nodosa in pregnancy: a case report and brief literature review (Owen and Hauth). 1989;160:606-7
- Pregnancy in a patient with diffuse cavernous hemangioma of the uterus (Lotgering et al). 1989;160:628-30
- Prenatal identification of twin reversed arterial perfusion syndrome in the first trimester (Stiller et al). 1989;160:1194-6
- Rupture and dehiscence of cesarean section scar during pregnancy and delivery (Nielsen et al). 1989;160:569-73
- Spontaneous uterine rupture during pregnancy after treatment of Asherman's syndrome (Deaton et al). 1989;160:1053-4
- Thyrototoxicosis complicating pregnancy (Davis et al). 1989;160:63-70
- Treatments of preterm premature rupture of the membranes: a meta-analysis (Ohlsson). 1989;160:890-906
- Ultrasonographically determined thyroid size in pregnancy and post partum: the goitrogenic effect of pregnancy (Rasmussen et al). 1989;160:1216-20
- Value of observation of fetal breathing activity in antenatal assessment of high-risk pregnancy (Devoe et al). 1989;160:166-71
- Pregnancy complications, cardiovascular**
- Acute pericarditis complicated by cardiac tamponade during pregnancy (Simpson et al). 1989;160:415-6
- Alloxan-induced diabetes mellitus in the pregnant ewe: metabolic and cardiovascular effects on the mother and her fetus (Miodovnik et al). 1989;160:1239-44
- Atrial natriuretic factor in normal and hypertensive pregnancy (Bond et al). 1989;160:1112-6
- Changes in peripheral venous tone before the onset of hypertension in women with gestational hypertension (Pickles et al). 1989;160:678-80
- Effect of maternal heme degradation on fetal carboxyhemoglobin concentration in pregnancy-induced hypertension (Entman et al). 1989;160:1394-9
- Intrapartum fetal heart rate patterns in pregnancies complicated by hypertension: a cohort study (Montan and Ingemarsson). 1989;160:283-8 (Clin. opinion)
- Labetalol does not decrease placental perfusion in the hypertensive term-pregnant rat (Ahokas et al). 1989;160:480-4
- Preeclampsia: a hyperdynamic disease model (Easterling and Benedetti). 1989;160:1447-53
- Recurrent thromboembolism in pregnancy and puerperium (Tengborn et al). 1989;160:90-4
- Pregnancy complications, hematologic**
- Enhanced thrombin generation in normal and hypertensive pregnancy (de Boer et al). 1989;160:95-100
- An evaluation of red blood cell heterogeneity (increased red blood cell distribution width) in iron deficiency of pregnancy (Osborne et al). 1989;160:336-9
- Pregnancy complications, infectious**
- Amnionitis and life-threatening respiratory distress after percutaneous umbilical blood sampling (Wilkins et al). 1989;160:427-8
- Change of immunoglobulin G antibody levels to *Toxoplasma gondii* during pregnancy in an obstetric population (Konishi). 1989;160:356-7
- Determination of pentamidine transfer in the in vitro perfused human cotyledon with high-performance liquid chromatography (Fortunato and Bawdon). 1989;160:759-61
- Pregnancy complications, neoplastic**
- Advanced primary ovarian carcinoma in pregnancy (Altaras et al). 1989;160:1210-1
- The clinical significance of uterine leiomyomas in pregnancy (Rice et al). 1989;160:1212-6
- Ontogeny of CA 125 antigen in pregnancy: immunoradiometric determination in amniotic fluid and immunohistochemical localization in fetal membranes (Barbati et al). 1989;160:514-7
- Pregnancy in adolescence**
- A comparison of low birth weight, perinatal mortality, and infant mortality between first and second births to women 17 years old and younger (Sweeney). 1989;160:1361-70
- Pregnancy in diabetes**
- Clinical usefulness of estimation of serum fructosamine concentration as screening test for gestational diabetes (Comtois et al). 1989;160:651-4
- Comparison of immunoreactive gonadotropin-releasing hormone and human chorionic gonadotropin in term placentas from normal women and those with insulin-dependent and gestational diabetes (Elkind-Hirsch et al). 1989;160:71-8
- Diagnosis of gestational diabetes by use of a glucose polymer (Reece et al). 1989;160:383-4
- Endocrine maturation and lung function in premature neonates of women with diabetes (Parker et al). 1989;160:657-62
- Gestational diabetes mellitus: Does it recur in subsequent pregnancy? (Philippson and Super). 1989;160:1324-31
- Sonographic determination of fetal weights in diabetic pregnancies (Roversi and Grasso) (Letter); (Benson et al) (Reply). 1989;160:1534-5
- Pregnancy outcome; see also Fetal death; Infant mortality**
- A comparative study of fetal umbilical velocimetry with continuous and pulsed-wave Doppler ultrasonography in high-risk pregnancies: relationship to outcome (Brar et al). 1989;160:375-8
- A comparison of low birth weight, perinatal mortality, and infant mortality between first and second births to women 17 years old and younger (Sweeney). 1989;160:1361-70
- A comparison of perinatal outcome in patients undergoing contraction stress testing performed by nipple stimulation versus spontaneously occurring contractions (Owen et al). 1989;160:1081-5
- Fetal transfusion syndrome: antenatal factors predicting outcome (Bebbington and Wittmann). 1989;160:913-5
- Inflammatory bowel disease: a controlled study of late pregnancy outcome (Fedorkow et al). 1989;160:998-1001
- Late maternal age and postdate pregnancy (Shapiro and Lyons). 1989;160:909-12
- A modified scheme for biophysical profile scoring (Shah et al). 1989;160:586-91
- Nausea and vomiting of pregnancy and association with

Pregnancy outcome—cont'd

- pregnancy outcome (Tiersen et al) (1986;155:1017-22). 1989;160:518-9 (Correction) (Letter)
- Obstetric outcome of patients with more than one previous cesarean section (Novas et al). 1989;160:364-7
- Outcome of very-low-birth-weight infants: Are populations of neonates inherently different after antenatal versus neonatal referral? (Delaney-Black et al). 1989;160:545-52
- Outcome of very-low-birth-weight infants: Does antepartum versus neonatal referral have a better impact on mortality, morbidity, or long-term outcome? (Lubchenco et al). 1989;160:539-45
- Postpartum bacteremia and placental colonization with genital mycoplasmas and pregnancy outcome (Naessens et al). 1989;160:647-50
- Reproductive failure because of autoantibodies: unexplained infertility and pregnancy wastage (Gleicher et al). 1989;160:1376-85
- Second-trimester placental volume measurement by ultrasound: prediction of fetal outcome (Wolf et al). 1989;160:121-6

Pregnancy toxemias

- Placental isoferritin: a new serum marker in toxemia of pregnancy (Maymon et al). 1989;160:681-4

Pregnancy trimester, first

- Characterization of pure human first-trimester cytotrophoblast cells in long-term culture: growth pattern, markers, and hormone production (Yagel et al). 1989;160:938-45
- α -Fetoprotein levels in amniotic fluid between 11 and 15 weeks (Crandall et al). 1989;160:1204-6
- Genetic diagnosis in the first trimester: the norm for the 1990s (Evans et al). 1989;160:1332-9
- Perception of teratogenic risk by pregnant women exposed to drugs and chemicals during the first trimester (Koren et al). 1989;160:1190-4
- Prenatal identification of twin reversed arterial perfusion syndrome in the first trimester (Stiller et al). 1989;160:1194-6
- Transabdominal chorionic villus sampling for first-trimester prenatal diagnosis (Elias et al). 1989;160:879-86
- Trophic effects of first-trimester human trophoblasts and human chorionic gonadotropin on lymphocyte proliferation (Yagel et al). 1989;160:946-53

Pregnancy trimester, second

- Clinical significance of elevated mean arterial blood pressure in second trimester and threshold increase in systolic or diastolic blood pressure during third trimester (Villar and Sibai). 1989;160:419-23
- Feasibility of placental biopsy in the second trimester for fetal diagnosis (Chier and Aldini). 1989;160:581-3
- α -Fetoprotein levels in amniotic fluid between 11 and 15 weeks (Crandall et al). 1989;160:1204-6
- Heart rate patterns in normoxemic, hypoxemic, and anemic second-trimester fetuses (Nicolaidis et al). 1989;160:1034-7
- Intermittent fetal bradycardia induced by midpregnancy fetal ultrasonographic study (Mendoza et al). 1989;160:1038-40
- Second-trimester placental volume measurement by ultrasound: prediction of fetal outcome (Wolf et al). 1989;160:121-6

Pregnancy trimester, third

- Clinical significance of elevated mean arterial blood pres-

sure in second trimester and threshold increase in systolic or diastolic blood pressure during third trimester (Villar and Sibai). 1989;160:419-23

- Effect of food withdrawal on arterial blood glucose and plasma 13,14-dihydro-15-keto-prostaglandin $F_{2\alpha}$ concentrations and nocturnal myometrial electromyographic activity in the pregnant rhesus monkey in the last third of gestation: A model for preterm labor? (Birienda et al). 1989;160:746-50

Respiratory failure in asthma during the third trimester: report of two cases (Schreier et al). 1989;160:80-1

- Safety and use of autologous blood donation during the third trimester of pregnancy (McVay et al). 1989;160:1479-88

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- Outcome of very-low-birth-weight infants: Are populations of neonates inherently different after antenatal versus neonatal referral? (Delaney-Black et al). 1989;160:545-52
- Outcome of very-low-birth-weight infants: Does antepartum versus neonatal referral have a better impact on mortality, morbidity, or long-term outcome? (Lubchenco et al). 1989;160:539-45
- A prenatal diagnostic center's first-year experience with the California α -Fetoprotein Screening Program (Cowan et al). 1989;160:1496-504
- Prevalence of human immunodeficiency virus in a general prenatal population (Barton et al). 1989;160:1316-24

Prenatal diagnosis

- Atraumatic antepartum subdural hematoma causing fetal death (Demir et al). 1989;160:619-20
- The clinical significance of prenatally diagnosed choroid plexus cysts (Gabrieli et al). 1989;160:1207-10
- Fetal intracranial calcifications (Ghidini et al). 1989;160:86-7
- Fetal pericardial effusion (Shenker et al). 1989;160:1505-8
- Perinatal diagnosis of congenital defects of anterior abdominal wall (Meizner). 1989;160:1537-8 (Letter)
- Prenatal detection of Down syndrome (Bouchard and Bissonnette) (Letter); (Lockwood and Hobbins) (Reply). 1989;160:1536-7
- Transabdominal chorionic villus sampling for first-trimester prenatal diagnosis (Elias et al). 1989;160:879-86

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- Presidential address. 1989;160:771-81, 1311-5, 1441-6

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- Prevalence of human immunodeficiency virus in a general prenatal population (Barton et al). 1989;160:1316-24

Preventive medicine

- Gynecologic screening examinations: Does the obstetrician-gynecologist's spouse comply? (Petricovsky et al). 1989;160:82-5
- Pregnancy surveillance with Doppler velocimetry of uterine and umbilical arteries (Schulman et al). 1989;160:192-6

Professional practice

- Avoiding the fixed period and Thanatos syndrome: obstetrics past, present, and future (Schulman). 1989;160:54-8 (Clin. opinion)

Progesterone

- Adrenocorticotrophic hormone, cortisol, and progesterone

- changes in the lamb during the perinatal period (Challis et al). 1989;160:967-72
- The biologic significance of cytologic atypia in progestogen-treated endometrial hyperplasia (Ferency and Gelfand). 1989;160:126-31
- Characterization of pure human first-trimester cytotrophoblast cells in long-term culture: growth pattern, markers, and hormone production (Yagel et al). 1989;160:938-45
- Clinical aspects of three new progestogens: desogestrel, gestodene, and norgestimate (Chez). 1989;160:1296-300 (Symposium)
- Differential role of protein kinase C in the action of luteinizing hormone-releasing hormone on hormone production in rat ovarian cells (Wang et al). 1989;160:984-9
- Features associated with survival and disease-free survival in early endometrial cancer (Sutton et al). 1989;160:1385-93
- Mitotic activity in uterine leiomyomas during the menstrual cycle (Kawaguchi et al). 1989;160:637-41
- Preventing ruptured ectopic pregnancy with a single serum progesterone (Stovall et al). 1989;160:1425-31
- Progesterone antagonist (RU 486) for cervical dilation, labor induction, and delivery in monkeys: effectiveness in combination with oxytocin (Wolf et al). 1989;160:45-7
- Progesterone prevents linkage of rabbit myometrial α -adrenergic receptors to inhibition of adenylate cyclase (Wu et al). 1989;160:838-44
- Up-regulation of guinea pig myometrial β -adrenergic receptors by intrauterine estradiol and progesterone pellets (Hatjis et al). 1989;160:751-7
- Prolactin**
- Endocrine maturation and lung function in premature neonates of women with diabetes (Parker et al). 1989;160:657-62
- Fetal control of maternal prolactin production and bioactivity in utero (McCoshen). 1989;160:322-7
- Proline**
- Quality control standards for the proline aminopeptidase assay used to detect bacterial vaginosis (Thomason et al). 1989;160:757-8
- Prospective studies**
- Comparison of three different surgical procedures for genuine stress incontinence: prospective randomized study (Bergman et al). 1989;160:1102-6
- Components of variability of umbilical arterial Doppler velocimetry—a prospective analysis (Maulik et al). 1989;160:1406-12
- Preterm birth prevention: evaluation of a prospective controlled randomized trial (Mueller-Heubach et al). 1989;160:1172-8
- Prostaglandins; see Prostaglandins X**
- Prostaglandins**
- The association between decreased amniotic fluid volume and treatment with nonsteroidal anti-inflammatory agents for preterm labor (Hickok et al). 1989;160:1525-31
- Blunted vasoreactivity in pregnant guinea pigs is not restored by meclofenamate (Harrison and Moore). 1989;160:258-64
- Inactivation of prostaglandins in human decidua vera (parietalis) tissue: substrate specificity of prostaglandin dehydrogenase (Casey et al). 1989;160:3-7
- Indomethacin-induced oligohydramnios (Goldenberg et al). 1989;160:1196-7
- Prostaglandins E**
- Differential role of protein kinase C in the action of luteinizing hormone-releasing hormone on hormone production in rat ovarian cells (Wang et al). 1989;160:984-9
- Inactivation of prostaglandins in human decidua vera (parietalis) tissue: substrate specificity of prostaglandin dehydrogenase (Casey et al). 1989;160:3-7
- Management of the third stage of labor in pregnancies terminated by prostaglandin E_2 (Kirz and Haag). 1989;160:412-4
- Prostaglandin E_2 gel for cervical ripening and induction of labor: a critical analysis (Rayburn). 1989;160:529-34 (Clin. opinion)
- Umbilical cord is the major source of prostaglandin E_2 in the gestational sac during term labor (McCoshen et al). 1989;160:973-8
- Prostaglandins F**
- Effect of food withdrawal on arterial blood glucose and plasma 13,14-dihydro-15-keto-prostaglandin $F_{2\alpha}$ concentrations and nocturnal myometrial electromyographic activity in the pregnant rhesus monkey in the last third of gestation: A model for preterm labor? (Binienda et al). 1989;160:746-50
- Inactivation of prostaglandins in human decidua vera (parietalis) tissue: substrate specificity of prostaglandin dehydrogenase (Casey et al). 1989;160:3-7
- Prostaglandins X**
- Effect of exogenous prostacyclin on central and uterine hemodynamics in the chronically instrumented pregnant guinea pig before and after indomethacin administration (Weiner et al). 1989;160:489-93
- Fetal vascular responses to prostacyclin (Parisi and Walsh). 1989;160:871-8
- Fetoplacental vascular responses to prostacyclin after thromboxane-induced vasoconstriction (Parisi and Walsh). 1989;160:502-7
- Protein C**
- Enhanced thrombin generation in normal and hypertensive pregnancy (de Boer et al). 1989;160:95-100
- Protein kinase C**
- Differential role of protein kinase C in the action of luteinizing hormone-releasing hormone on hormone production in rat ovarian cells (Wang et al). 1989;160:984-9
- Proteins**
- Clinical aspects of three new progestogens: desogestrel, gestodene, and norgestimate (Chez). 1989;160:1296-300 (Symposium)
- Proteinuria**
- Preeclampsia: a hyperdynamic disease model (Easterling and Benedetti). 1989;160:1447-53
- Provera; see Medroxyprogesterone**
- Publications**
- Pharmaceutical-supported supplements (Goodlin) (Letter); (Editors) (Reply). 1989;160:764-5
- Requirements for submission of manuscripts. 1989;160:1-2 (Editorial)
- Summary of analysis of published articles. 1989;160:527-8 (Editorial)
- Puerperal disorders**
- Angiographic embolization of intractable puerperal hematomas (Chin et al). 1989;160:434-8
- Puerperium**
- Effect of umbilical vein oxytocin on puerperal blood loss and length of the third stage of labor (Reddy and Carey). 1989;160:206-8

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Gentamicin dosing in postpartum women with endometritis (Briggs et al). 1989;160:309-13

Plasma atrial natriuretic peptide levels during the rat estrous cycle, pregnancy, and puerperium (Castro et al). 1989;160:15-9

Postpartum bacteremia and placental colonization with genital mycoplasmas and pregnancy outcome (Naessens et al). 1989;160:647-50

Recurrent thromboembolism in pregnancy and puerperium (Tengborn et al). 1989;160:90-4

Pulmonary surfactants

Gestation-dependent effects of the combined treatment of glucocorticoids and thyrotropin-releasing hormone on surfactant production by fetal rabbit lung (Oulton et al). 1989;160:961-7

Pulsatility index; see Blood flow velocity**Purpura, thrombocytopenic**

Scalp platelet counts and management of immunologic thrombocytopenic purpura (Ayromlooi) (Letter); (Moise) (Reply). 1989;160:518

R**Radiation**

The effect of medroxyprogesterone acetate (Provera) on ovarian radiosensitivity (Jarrell et al). 1989;160:990-4

Radiation injury

The effect of medroxyprogesterone acetate (Provera) on ovarian radiosensitivity (Jarrell et al). 1989;160:990-4

Radioimmunoassay

Radioimmunoassay of free β -subunit of human chorionic gonadotropin in diagnosis of high-risk and low-risk gestational trophoblastic disease (Khazaeli et al). 1989;160:444-9

Radiology

Comparison of ultrasound and lateral chain urethrocytography in the determination of bladder neck descent (Gordon et al). 1989;160:182-5

ras Genes

Expression of the ras oncogene in gynecologic tumors (O'Brien et al). 1989;160:344-52

Receptors, adrenergic, alpha

Progesterone prevents linkage of rabbit myometrial α_2 -adrenergic receptors to inhibition of adenylate cyclase (Wu et al). 1989;160:838-44

Receptors, adrenergic, beta

Up-regulation of guinea pig myometrial β -adrenergic receptors by intrauterine estradiol and progesterone pellets (Hatjis et al). 1989;160:751-7

Receptors, estrogen

Comparison of the quantity of estrogen receptors in human endometrium and myometrium by steroid-binding assay and enzyme immunoassay based on monoclonal antibodies to human estrophilin (Senekjian et al). 1989;160:592-7

Features associated with survival and disease-free survival in early endometrial cancer (Sutton et al). 1989;160:1385-93

Receptors, interleukin 2

Trophic effects of first-trimester human trophoblasts and human chorionic gonadotropin on lymphocyte proliferation (Yagel et al). 1989;160:946-53

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Regional blood flow change in the lamb during the perinatal period (Richardson et al). 1989;160:919-25

Renal circulation

Selective increase in placental blood flow by atrial natriuretic peptide in hypertensive rats (Chemtob et al). 1989;160:477-9

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Atrial natriuretic factor in normal and hypertensive pregnancy (Bond et al). 1989;160:1112-6

Immunohistochemical localization of renin and angiotensin II in human ovaries (Palumbo et al). 1989;160:8-14

Reoperation

Obstetric outcome of patients with more than one previous cesarean section (Novas et al). 1989;160:364-7

Serum CA 125 levels and surgical findings in patients undergoing secondary operations for epithelial ovarian cancer (Rubin et al). 1989;160:667-71

Reproduction

The mean interval to conception: a measure of utility for the analysis of decisions involving fertility (Lamb et al). 1989;160:1470-8

Reproductive failure because of autoantibodies: unexplained infertility and pregnancy wastage (Gleicher et al). 1989;160:1376-85

Reproduction, radiation effects

Studies of human germinal mutations by deoxyribonucleic acid hybridization (Kovacs et al). 1989;160:798-804

Reproduction techniques

Ethical issues in reproductive endocrinology and infertility (Ryan). 1989;160:1415-7 (Symposium)

Heterotopic pregnancy associated with assisted reproductive technology (Gamberdella and Marrs). 1989;160:1520-4

Only an attitude away: the potential of reproductive surrogacy (Sandberg). 1989;160:1441-6 (Pres. address)

Surrogacy and Shakespeare: the Merchant's contract revisited (La Puma et al). 1989;160:59-62 (Clin. opinion)

Research

The sin of pride: research in obstetrics and gynecology (Little). 1989;160:771-81 (Pres. address)

Research design

Format of an obstetrics and gynecology journal club and four years' experience (Thurnau and Fishburne). 1989;160:313-6

Treatments of preterm premature rupture of the membranes: a meta-analysis (Ohlsson). 1989;160:890-906

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Control of fetal breathing in the human fetus between 24 and 34 weeks' gestation (Connors et al). 1989;160:932-8

Effects of regular and decaffeinated coffee on fetal breathing and heart rate (Salvador and Koos). 1989;160:1043-7

Respiratory distress syndrome

Evaluation of the new Amniostat-FLM test for the detection of phosphatidylglycerol in contaminated fluids (Towers and Gariie). 1989;160:298-303

Respiratory distress syndrome, adult

Amnionitis and life-threatening respiratory distress after percutaneous umbilical blood sampling (Wilkins et al). 1989;160:427-8

Respiratory failure; see Respiratory insufficiency

Respiratory insufficiency

Respiratory failure in asthma during the third trimester: report of two cases (Schreier et al). 1989;160:80-1

Restriction fragment length polymorphisms

Zygosity determination of multiple pregnancy by deoxyribonucleic acid fingerprints (Azuma et al). 1989;160:734-6

Retroperitoneal neoplasms

Retroperitoneal mucinous cystadenoma (Pennell and Gusdon). 1989;160:1229-31

Rh isoimmunization

Acid-base status in fetal heart blood in erythroblastotic fetuses: a study with special reference to the effect of transfusions with adult blood (Westgren et al). 1989;160:1134-8

Amniotic fluid erythropoietin predicts fetal distress in Rh-immunized pregnancies (Voutilainen et al). 1989;160:429-34

Intravascular exchange and bolus transfusion in the severely isoimmunized fetus (Ronkin et al). 1989;160:407-11

Pathophysiology of pressure changes during intrauterine transfusion (Nicolini et al). 1989;160:1139-45

Rhesus monkey; see *Macaca mulatta*

Risk factors

Combining maternal serum α -fetoprotein measurements and age to screen for Down syndrome in pregnant women under age 35 (New England Regional Genetics Group Prenatal Collaborative Study of Down Syndrome Screening). 1989;160:575-81

Evaluation of risk scoring in a preterm birth prevention study of indigent patients (Mueller-Heubach and Guzik). 1989;160:829-37

Perception of teratogenic risk by pregnant women exposed to drugs and chemicals during the first trimester (Koren et al). 1989;160:1190-4

Risk-taking

The T-ACE question: practical prenatal detection of risk-drinking (Sokol et al). 1989;160:863-70

RNA, messenger

The ontogeny of growth hormone in the human fetal pituitary (Suganuma et al). 1989;160:729-33

Roster

Roster of American obstetric and gynecologic societies. 1989;160:279-80

RU 486

Progesterone antagonist (RU 486) for cervical dilation, labor induction, and delivery in monkeys: effectiveness in combination with oxytocin (Wolf et al). 1989;160:45-7

Rupture, spontaneous

Spontaneous uterine rupture during pregnancy after treatment of Asherman's syndrome (Deaton et al). 1989;160:1053-4

Rural health

Fetal heart rate transmission with the facsimile telecopier in rural areas (Clark et al). 1989;160:1040-2

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Sacrococcygeal region

Fetal hydrops and death from sacrococcygeal teratoma: rationale for fetal surgery (Langer et al). 1989;160:1145-50

Safety

Safety and use of autologous blood donation during the third trimester of pregnancy (McVay et al). 1989;160:1479-88

Salpingocentesis

Transvaginal salpingocentesis: a new technique for treating ectopic pregnancy (Timor-Tritsch et al). 1989;160:459-61

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Seizures, animal

The effect of pretreatment with magnesium sulfate on the initiation of seizure foci in anesthetized cats (Koontz and Reid). 1989;160:508-9

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Correlation of human spermatozoa heparin binding with the zona-free hamster egg in vitro penetration assay (Vasquez et al). 1989;160:20-6

Semen preservation

Luteinizing hormone and ovulation timing in a therapeutic donor insemination program using frozen semen (Kossov et al). 1989;160:1169-72

Septicemia

Postpartum bacteremia and placental colonization with genital mycoplasmas and pregnancy outcome (Naessens et al). 1989;160:647-50

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Fetal control of maternal prolactin production and bioactivity in utero (McCoshen). 1989;160:322-7

Shock, hemorrhagic

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Toxic shock-like syndrome associated with Bartholin's gland abscess: case report (Shearin et al). 1989;160:1073-4

Smoking

Depressive symptoms during pregnancy: relationship to poor health behaviors (Zucherman et al). 1989;160:1107-11

Society for Gynecologic Investigation

Papers of the Society for Gynecologic Investigation. 1989;160:3-53

Society of Obstetricians and Gynaecologists of Canada

Transactions of the forty-fourth annual meeting of the Society of Obstetricians and Gynaecologists of Canada. 1989;160:887-1016

Software

Colposcopy and computer graphics: A new method? (Contini et al). 1989;160:535-8 (Clin. opinion)

Somatotropin

The ontogeny of growth hormone in the human fetal pituitary (Suganuma et al). 1989;160:729-33

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Sperm-ovum interaction

Correlation of human spermatozoa heparin binding with the zona-free hamster egg in vitro penetration assay (Vasquez et al). 1989;160:20-6

The effects of lymphokines and monokines on human sperm fertilizing ability in the zona-free hamster egg penetration test (Hill et al). 1989;160:1154-9

Identification of a deoxyribonucleic acid allelic variant for β 1-4 galactosyltransferase associated with male sperm binding/penetration infertility (Humphreys-Beher and Blackwell). 1989;160:1160-5

Spermatozoa

Correlation of human spermatozoa heparin binding with the zona-free hamster egg in vitro penetration assay (Vasquez et al). 1989;160:20-6

Spermatozoa—cont'd

The effects of lymphokines and monokines on human sperm fertilizing ability in the zona-free hamster egg penetration test (Hill et al). 1989;160:1154-9

Failure of sperm-induced immunosuppression: association with antisperm antibodies in women (Witkin). 1989;160:1166-8

Identification of a deoxyribonucleic acid allelic variant for β 1-4 galactosyltransferase associated with male sperm binding/penetration infertility (Humphreys-Beher and Blackwell). 1989;160:1160-5

A prospective study on the lack of development of antisperm antibodies in women undergoing intrauterine insemination (Horvath et al). 1989;160:631-7

Sterilization

Law and the modern obstetrician-gynecologist (Dworkin). 1989;160:1339-43

Transcervical sterilization with use of methyl 2-cyanoacrylate and a newer delivery system (the FEMCEPT device) (Shuber). 1989;160:887-9

Sterilization, tubal

Case-fatality rates for tubal sterilization in U.S. hospitals, 1979 to 1980 (Escobedo et al). 1989;160:147-50

Distal tubal torsion after laparoscopic sterilization: an unnecessary late complication (De Wilde). 1989;160:1024 (Letter)

Ectopic pregnancy subsequent to laparoscopic sterilization (Kjer and Knudsen). 1989;160:1202-4

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